



 **Kapema**
2014





- An international trading company



Kapema was founded in 2004 and is a competent and reliable supplier of machinery for metalworking. Besides buying and selling, new and used machines, and robotic systems, we offer all kinds of service, delivery and automation of both new and existing machines. Service is carried out by our sister company, Robma, who are among the leading in the industry of robotic solutions.

Robma has been an integrated part of Kapema since October 2013, where the two companies merged their expertises - Today we offer the nation's best setup, and delivers turn-key solutions, where we:

- Identify customer needs
- Designs machines and robotic systems for customers
- Supplying and installing the machines
- Conducts training in the use of the machines
- Serving machinefleets





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Explore our used machines at:

WWW.KAPEMA.DK

Manual folding machines type TB

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TBL 30-10

Folding Machines type TB is a complete series of sturdy and well built machines in a modern construction. Particularly suited for folding thin sheet metal. Ideal for roofing, insulation and plumbing work. Easy to demount the legs for transportation or for bench Mounting

The machines are offered with two different types of clamping bars:

Type L = low 45° degree with a sharpnose blade.

Type S = high 90° degree with segments

Option	Manual backgauge:
- Segments 30°	- SBS
- Radius blade 1,5 & 2,5 mm	- MSD
- Sharpnose blade 45°	- MOD
- Blade and segments to stainless	- MPD



TBL 13-12

Art. No	Type	Working length	Sheet thickness	Clamping bar lift	Folding angle	Length	Width	Height	Weight
		mm	mm	mm	°	mm	mm	mm	kg
10610	TBL 07/20	650	2	38	135°	860	510	1000	65
10640	TBL 13/12	1350	1,25	28	135°	1560	510	1000	108
10650	TBS 13/10	1350	1	35	95°	1560	510	1070	135
10665	TBL 25/10	2520	1	42	135°	2940	630	1100	385
10670	TBL 30/10	3020	1	45	135°	3440	630	1100	460

Combi-machines type type Kombi

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The combination machine - 4 operations in one machine

Kombi 1050:

Bending roller: 1020 x 1,0 mm
Folding machine: 1020 x 1,5 mm
Beading machine: 1020 x 0,6 mm
Rotary shears: 0,8 mm

Kombi 1250:

Bending roller: 1260 x 1,25 mm
Folding machine: 1250 x 1,25 mm
Beading machine: 1250 x 0,6 mm
Rotary shears: 0,8 mm

Art. No.	Type	Working length	Sheet thickness folding	Sheet thickness rolling	Sheet thickness cutting	Sheet thickness beading	Length	Width	Height	Weight
		mm	mm	mm	mm	mm	mm	mm	mm	kg
10690	Kombi 1050	1020	1,5	1	0,8	0,6	1700	1000	900	272
10692	Kombi 1250	1250	1,25	42	0,8	0,6	2000	1000	1000	333

Manual folding machines type KFL

Best
Price



KFL 20-10



KFL 10-15

Folding machines type KFL are easy to operate, light, manual machines particularly suited for folding thin sheet metals.

Type KFL are machines which are suited for straight folding operations, and because of their low clamping beams, are ideal for channel sections, and z-profiles.

Easy to demount the underframe for transportation or bench mounting.

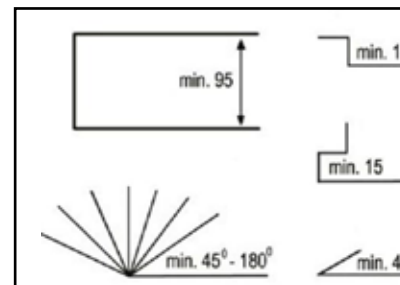
Type KFL are offered with a low clamping bar at 45°, with a sharp nose blade



Justering

Optional:

- Roundblade 1,5 & 2,5 mm
- Sharpnose blade 45°



Art. no	Type	Working length	Sheet thickness	Clamping bar lift	Folding angle	Length	Width	Height	Weight
		mm	mm	mm	°	mm	mm	mm	kg
10625	KFL 1015	1050	1,5	40	135°	1260	510	1000	89
10660	KFL 2010	2020	1	42	135°	2320	630	1100	325

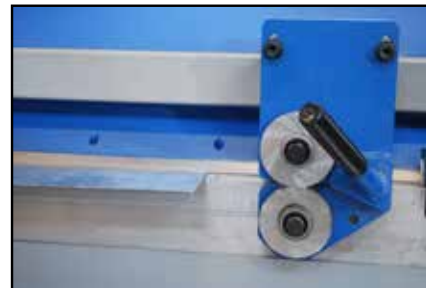
Folding machine type TBL w. rollershear

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TBL 20-10 w. rollershear



Folding machines type TBL is a complete series of solid and well built machines in a modern design. Designed for working sheet metal. Ideal for plumbers, plumbing and auto industry. The frame can be dismantled for easy and simple transport, or if the machine should be placed on to a workbench.

Type TBL with a roller shear mounted, are intended to cut in sheet metal up to 0.8 mm zinc. Fitted with a roller shear, type TBL are designed with Low 45° clamping beam with sharp nose blade.

Art. No	Type	Working length	Sheet thickness folding	Sheet thickness shear	Clamping bar lift	Folding angle	Length	Width	Height	Weight
		mm	mm	mm	mm	°	mm	mm	mm	kg
10628	TBL 10/15	1050	1,5	0,8	40	135°	1260	510	1000	108
10662	TBL 20/10	2020	1	0,8	42	135°	2320	630	1100	330
10667	TBL 25/10	2520	1	0,8	42	135°	2940	630	1100	385
10672	TBL 30/10	3020	1	0,8	45	135°	3440	630	1100	460

Manual folding machines type KF

Best
Price



KFL 20-20

The folding machines type KF is a complete series of well dimensioned machines with foot-operated clamping system. Type KF 20 and 25 are with hand-operated clamping system.

All models have counter-balanced folding beams, clearances in the clamp-, bed- and folding beams and angle stop as standard.

Type KFL = low 45° clamping beam with a normal straight sharpnose blade.

Type KFS = low 45° clamping beam with a segment-divided clamping beam for box & pan folding.

Optional:

- Roundblade 1,5 & 2,5 mm
- Flat blade 15 & 30 mm
- Segments
- Backgauge



KFS 10-25

KFL 12-20

Foot operated clamping

Art. No	Type	Working length	Sheet thickness	Clamping bar lift	Folding angle	Length	Width	Height	Weight
		mm	mm	mm	°	mm	mm	mm	kg
10858	KFL 10-25	1020	2,5	46	150°/135°	1350	860	1170	275
10863	KFL 12-20	1270	2	46	150°/135°	1600	900	1175	325
10841	KFL 20-20	2020	2	122	150°/135°	2567	560	1265	1020
10860	KFS 10-25	1020	2,5	47	135°	1350	860	1170	290
10865	KFS 12-20	1270	2	47	135°	1600	900	1175	340
10846	KFS 20-20	2020	2	122	135°	2567	560	1265	1020

Manual folding machines type KF3S

Best
Price



KF3S 10-25



The **KF3S MULTIFLEX** models are a range of well-dimensioned folding machines with foot operated clamping system. All models have counter-balanced folding beams to provide an easy and fast operation of the machine within the full capacity range.

The **MULTIFLEX** models are with segment-divided clamp-, bed- and fold beams for folding material in inverse directions and for making special profiles. The segments can be adjusted from 25 mm width up till the full length with 5 mm increments.

Standard with right / left foot segments for special double internal foldings and angle stop. Prepared for easy mounting of back-gauge.

Optional:

- Backgauge

Art. No	Type	Working length	Sheet thickness	Clamping bar lift	Folding angle	Length	Width	Height	Weight
		mm	mm	mm	°	mm	mm	mm	kg
10880	KF3S1025	1020	2,5	47	150° / 100°	1350	860	1250	385
10885	KF3S 1220	1270	2	47	150° / 100°	1600	900	1250	415

Manual folding machines type UNI

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UNI 40-10

Universal Folding Machines UNI is ideal for a wide range of profiles and topics, including boxes. Solid construction ensures stability and high accuracy. The machines are characterized by ultra wide clearance between table and clamping beam (140mm). Available with various tools and options according to the customers choice. The machines can be equipped by mechanical locking foot pedal, which makes operation of the machines far easier. The folding beam is locked through equivalent cylinder, which ensures very high reliability.

The machines are offered with 4 different types of clamping bars:

- UNI:** Sharp nose blade
UNI-S: Segments on clamping beam
UNI-SH: High segments on clamping beam
UNIM-3SH: High 90° clamping beam, with segment-divided clamp-, lower- and folding beam

Standard:

Goniometer with adjustable angle stop, folding beam adjustment according to sheet thickness, folding blade compensation, locking lever of clamping beam

Optional:

- Manual backgauge type MDS, MOD or MPD
- Bed table for backgauge
- Roller shear
- Locking pedal of clamping beam
- Digital goniometer
- Front gauge
- Special blades and segments

Art. No	Type	Working length	Sheet thickness	Clamping bar lift	Length	Width	Height	Weight
		mm	mm	mm	mm	mm	mm	kg
10945	UNI 10/25	1020	2,5	140	1695	570	1255	790
10950	UNI 12/22	1270	2,25	140	1945	570	1255	900
10953	UNI 15/20	1520	2	140	2195	570	1255	980
10956	UNI 20/20	2020	2	140	2695	570	1255	1130
10959	UNI 25/16	2520	1,6	140	3195	570	1255	1320
10962	UNI 30/12	3020	1,2	140	3695	570	1255	1550
10968	UNI 40/10	4020	1	140	4695	570	1255	2020

accessories



Digital goniometer



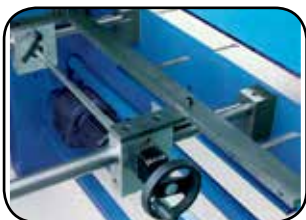
Foot pedal UNI



Front stop



Backgauge MOD
75 – 760mm
adjustable mm-scale



Backgauge MPD
6 – 760mm
Adjustable mm-scale
With fingers



Backgauge MSD
100 – 1000mm
With tilt-stop



Rollershear



Backgauge SBS
75 – 765mm



Segments



Segments 3SH



Flat blade



Round blade



Sharp nose blade

Motorised folding machines type UNIM

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Quality

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UNIM 20-25



Adjustment of bending
angle type MA

Universal folding machine type UNIM are dedicated for folding af wide spectrum of profiles and forms, including boxes. A massive steel contruction insures high stability and accuracy.

Type UNIM are characterized by ultra wide clearance between table and clamping beam (140mm), and can be delivered with various tools and optional equipment according to the customer.

The folding beam is driven by an electromotor, which is operated by foot pedal.

The clamping beam is driven by an arm lever in combination with a mechanical foot pedal.

The machines are available in the following versions:

UNIM: Low 45° clamping beam with sharp nose blade

UNIM-S: Low 45° clamping beam with segments

UNIM-SH: High 90° clamping beam with segments

UNIM-3SH: High 90° clamping beam, with segment-divided clamp-, lower- and folding beam

Standard:

- Stepless adjustment of bending angle, Type MA
- Folding beam adjustment, according to sheet thickness
- Foot pedal with safety switch
- Sharp nose blade 20°
- Blade of folding beam 20mm
- Folding blade compensation

Optional:

- Manual backgauge type MSD, MOD or MPD
- Motorised backgauge type MZDJ
- Bed table
- Locking pedal
- Front stop
- Special blade and segments
- Goniometer for angle adjustment
- Rotary shear for 0,8mm sheets

Art. No	Type	Working length	Sheet thickness	Clamping bar lift	Length	Width	Height	Weight
		mm	mm	mm	mm	mm	mm	kg
11000	UNIM 10/30	1020	3	140	1975	710	1290	860
11008	UNIM 12/30	1220	3	140	2225	710	1290	970
11012	UNIM 15/30	1520	3	140	2475	710	1290	1060
11016	UNIM 20/25	2020	2,5	140	2975	710	1290	1380
11018	UNIM 25/20	2520	2	140	3475	710	1290	1780
11020	UNIM 30/15	3020	1,5	140	4175	710	1290	2200
11024	UNIM 40/10	4020	1	140	4975	710	1290	2600

Motorised folding machines type TFM

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TFM 20-15



Adjustment of bending
angle type MA

Folding machine TFM are motorised folding machines in a compact and fully-welded construction in a new and modern design. A well dimensioned chain drive transmits the power. All bearings are sealed for life and guideways are maintenance-free. Type TFM are representative of light machines, they are characterized by speed and costeffectiveness, in the production of components made of thin sheets of different materials.

Exentric drive of the clamping beam, and fast adjustment of the folding beam to the desired thickness of the material, in conjunction with optimal position and an appropriate stop, allow for easy operation by a foot pedal.

Opening the clamping beam simultaneously with the return movement of the bending beam shortens the time-cycle of the machine.

Type TFM3S with all beams segmented for folding in inverse directions, enabling special profiles to be formed.

Type TFM can also be delivered with a motorised back-gauge and angle programming.

TFM folding machines are manufactured in the following versions:

Type TFM = Low 45° clamping beam with standard sharp nose blade.

Type TFMS = Low 45° clamping beam with segments.

Type TFMS H = High, narrow 90° clamping beams with segments.

Type TFM3S = High 90° clamping beam with all beams segmented.

Standard:	Optional:
<ul style="list-style-type: none"> • PLC-control • Manual crowning of folding beam • Sharp nose blade 30° • Folding beam 20mm • Stepless adjustment of bending angle, type MA • Foot pedal with safety stop • Emergency stop and TONVR 	<ul style="list-style-type: none"> • Sharp nose blade 20° • Flat blade 10, 15, 20 & 30mm • Manual backgauge: MSD, MOD & MPG • Motorised backgauge: MZDJ • Round blade 1,5 & 2,5mm • Controls: PT-1, PUD, TM238, CNC-2A, CNC-3A, FF-101 • Front gauge: MFG • Special blades and segments • Rail for bed beam 1,5 & 2,5mm

Art. No.	Type	Working length	Motor	Sheet thickness	Clamping bar lift	Length	Width	Height	Weight
		mm	Kw	mm	mm	mm	mm	mm	kg
11400	TFM 10-22	1020	0,37 / 0,75	2,25	110	1650	700	1100	670
11420	TFM 12-20	1270	0,37 / 0,75	2	110	1900	700	1100	750
11440	TFM 15-17	1520	0,37 / 0,75	1,7	110	2150	700	1100	810
11460	TFM 20-15	2020	0,37 / 0,75	1,5	110	2650	700	1100	1050
10475	TFM 25-12	2520	0,37 / 0,75	1,2	110	3150	700	1100	1290
11490	TFM 30-10	3020	0,37 / 0,75	1	110	3650	700	1100	1610

Motorised folding machines type SLF

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SLF 30-15

Motorised folding machine type SLF covers a wide range of applications in the production of both simple and complex products up to a length of 4 m. Exentric drive of the clamping beam provides the maximum speed and the desired contact force. When you open it, then it is up to 140 mm. Opening the clamping beam simultaneously with the return movement of the bending beam shortens the time-cycle of the machine. The bending beam is equipped with a crowning system bar, which allows to achieve the required accuracy over the entire length of the bend. The appropriate choice of the control system, back gauges, and other accessories creates the conditions for the optimal cost equipment and rapid return on investment.

Type SLF are ideal for construction industry, furniture industry, in the manufacture of doors, billboards, in air conditioners, in the manufacture of switchboards, and so on.

Standard:

- Stepless adjustment of bending angle, type MA
- Foot pedal with safety switch
- Sharp nose blade 20°
- Folding blade 70mm
- Folding blade compenzation

Optional:

- Sharp nose blade 20°
- Folding blade 10mm
- Controls: PT-1, PUD, TM238, CNC-2A, CNC-3A, FF-101
- Manual backgauge type: MSD, MOD & MPD
- Front gauge type MFG
- Motorised backgauge type MZD
- Special blade and segments

Art. No.	Type	Working length	Sheet thickness	Motor	Clamping bar lift	Length	Width	Height	Weight
		mm	mm	kw	mm	mm	mm	mm	kg
12000	SLF 10/35	1020	3,5	0,75 / 1,1	140	1975	560	1290	830
12003	SLF 12/30	1230	3,5	0,75 / 1,1	140	2225	560	1290	970
12006	SLF 15/30	1520	3	0,75 / 1,1	140	2475	560	1290	1060
12009	SLF 20/25	2020	2,5	0,75 / 1,1	140	2975	560	1290	1450
12012	SLF 25/20	2520	2	0,75 / 1,1	140	3475	560	1290	1780
12015	SLF 30/15	3020	1,5	0,75 / 1,1	140	4175	560	1290	2350
12021	SLF 40/10	4020	1,0	0,75 / 1,1	140	4850	710	1160	2800

Motorised folding machines type TSM

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TSM 15-35



Adjustment of bending
angle type MA

Motorised folding machines type TSM constitute a powerful mid-range device with a possibility of bending the products up to a length of 4 m. The contact force is led out by a pair of trapezoidal screws on both sides of the clamping beam. The bending beam is of solid welded construction and equipped with a crowning system of the bar, which allows to achieve the required accuracy over the entire length of the bend. Adjustment of the bending of the beam to the desired thickness of the sheet is very easy and fast through quick fixators. Rich set of tools, including the use of segments of all three beams (3SH-superflex), as well as the possibility of using the DUO system, which allows one to use on a single machine the clamping beam rail and SH segments, which makes the machine highly flexible.

TSM folding machines are manufactured in the following versions:

Type TSM = Low 30° clamping beam with standard sharp nose blade.

Type TSM S = Low 45° clamping beam with segments.

Type TSM SH = High, narrow 90° clamping beam with segmented blade.

Type TSM DUO = Quick change between High narrow 90° segmented clamping and low 30° clamping beam with standard sharp nose blade

Standard:

- PLC-control
- Stepless adjustment of bending angle
- Double foot switch with emergency stop
- Sharp nose blade 30°
- Folding beam 20 or 25mm
- Emergency switch
- Motor protection device
- Manual crowning on folding beam

Optional:

- Flat blade 30mm
- Manual backgauge: MSD, MOD & MPG
- Motorised backgauge MZD
- Round blade 5 & 10mm
- Controls: PT-1, PUD, TM238, CNC-2A, CNC-3A, FF-101
- Front gauge: MFG
- Special blade and segments

Art. No.	Type	Working length	Sheet thickness	Clamping bar lift	Motor clamping beam	Motor folding beam	Length	Width	Height	Weight
		mm	mm	mm	kW	kW	mm	mm	mm	kg
11600	TSM 12/40	1270	4,00	200/90	0,75	3,0	2182	1070	1530	2300
11615	TSM 15/35	1520	3,50	200/90	1,1	4,0	2345	1070	1530	2700
11630	TSM 20/30	2020	3,00	200/90	1,1	4,0	2935	1070	1530	3050
11640	TSM 25/25	2520	2,50	200/90	1,1	4,0	3435	1070	1530	3600
11650	TSM 30/20	3020	2,00	200/90	1,1	4,0	3935	1070	1530	4300
11670	TSM 40/15	4020	1,50	200/90	1,1	4,0	5200	1100	1560	6600
11610	TSM3S 12/40	1270	4,00	90	0,75	3,0	2182	1070	1530	2400
11625	TSM3S 15/35	1520	3,50	90	1,1	4,0	2435	1070	1530	2800
11636	TSM3S 20/30	2020	3,00	90	1,1	4,0	2935	1070	1530	3150

Motorised folding machines type TVM

Best
Quality

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TVM 20-40



Adjustment of bending
angle Type MA

The folding machines type TVM are developed for folding various and complicated profiles. The folding blade can be quickly and simply exchanged with a segment divided blade in the clamping beam, and thus you can make a variety of different box profiles. The folding blades come in various qualities, so that you can work with various materials on the same machine. The well-dimensioned and fully-welded steel construction give you a high quality no matter what material you are folding, and the speed is optimized due to the two electric motors, which transmit the power through a well-dimensioned chain drive. The electrical control panel is built up around a PLC, thus ensuring a high efficiency and operational liability.

TVM folding machines are manufactured in the following versions:

- **TVM** with normal sharp nose blade on clamping beam
- **TVM S** with divided tools on clamping beam
- **TVM SH** with high divided tools on clamping beam
- **TVM DUO** Quick change between segment and blade
- **Type TVM 3SH** With high divided tools on all beams

Standard:

- Manual adjustment of bending angle 6°-180°, Type MA
- Foot pedal with safety switch
- Sharp nose blade 30°
- Folding blade 25 mm
- Compensation of folding blade deflection
- PLC control

Optional:

- Manual backgauge type: MSD, MOD og MPD
- Motorised backgauge type MZD
- Controls: PT-1, PUD, TM238, CNC-2A, CNC-3A, FF-101
- Special blade and segments

Art. No.	Type	Working length	Sheet thickness Alu	Sheet thickness steel	Sheet thickness stainless	Clamping bar lift	Motor clamping beam	Motor folding beam	L x W x H	Weight
		mm	mm	mm	mm	mm	kW	kW	mm	kg
11700	TVM 15/50	1520	6,5	5	3,7	90(200)	2,2	5,5	2620x1160x1590	4025
11720	TVM 20/40	2020	5	4	3,4	90(200)	2,2	5,5	3120x1160x1590	4650
11725	TVM 25/35	2520	4	3,5	3,0	90(200)	2,2	5,5	3620x1160x1590	5270
11730	TVM 30/30	3020	3,4	3	2,6	90(200)	2,2	5,5	4120x1160x1590	6090
11740	TVM 40/20	3020	2,3	2	1,8	90(200)	4	2x4	4470x1500x1750	6550

Motorised folding machines type MAXI

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MAXI



Bending machines type MAXI are among the best performing machines in when bending material up to a length of 4 m at a thickness of 3 mm. Loadbearing parts at the machine are made as massive welded steel construction which, coupled with powerful motors, provides the required performance parameters. A pair of trapezoidal screws drives the clamping beam, which leads out the required pressure force for the massive machine table. The bending beam has also a dual drive, which eliminates the twisting, especially during longer working lengths.

MAXI folding machines are manufactures in the following versions:

- **MAXI** with normal sharp nose blade on clamping beam
- **MAXI SH** with high divided tools on clamping beam
- **MAXI DUO** Quick change between segment and blade
- **MAXI 3SH** With high divided tools on all beams

Standard:

- Sharpnose blade 30°
- Bending blade 40 mm
- Manual crowning
- Foot pedal with safety switch
- TM238 control unit

Optional:

- Manual backgauge type MSD, MOD og MPD
- Motorised backgauge type MZD
- Control: CNC-2A, CNC-3A, FF-101
- Special blade and segments

Art.no	Type	Working length	Sheet thickness alu	Sheet thickness steel	Sheet thickness stainless	Clamping bar lift	Motor clamping beam	Motor folding beam	L x W x H	Weight
		mm	mm	mm	mm	mm	kW	kW	mm	kg
11770	MAXI 15/70	1520	8,10	7,00	5,20	190 (300)	2,2	5,5	2620x1160x1590	4025
11774	MAXI 20/60	2020	7,10	6,00	4,50	190 (300)	2,2	5,5	3120x1160x1590	4650
11778	MAXI 25/50	2520	6,00	5,00	3,80	190 (300)	2,2	5,5	3620x1160x1590	5270
11782	MAXI 30/40	3020	4,80	4,00	3,00	190 (300)	2,2	5,5	4120x1160x1590	6090
11786	MAXI 40/30	4020	3,60	3,00	2,30	190 (300)	2,2	5,5	5120x1160x1590	7460
11790	MAXI 45/20	4520	2,40	2,00	1,60	190 (300)	2,2	5,5	5620x1160x1590	8900

Motorised folding machines type MAXI Plus

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Quality

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Bending machines type MAXI plus are the most powerful machines in their category available on the market. Reinforced construction of the Maxi type allows to increase the capacity of material thickness from 2 mm to 8 mm and a length of material from 2 m to 5 m.

High clamping forces are provided by a pair of trapezoidal screws, the dual drive of the folding beam, quality tools (strength up to 1100N/mm²) and the DUO system provide the machine with high flexibility.

When handling long and heavy panels, a motorized back gauge can be suitably used, which pushes the material into the bending and allows you to operate the machine with only one operator.

The machine enables high opening (up to 350 mm).

MAXI Plus folding machines are manufactured in the following versions:

- **MAXI Plus** with normal sharp nose blade on clamping beam
- **MAXI Plus SH** with high divided tools on clamping beam
- **MAXI Plus DUO** Quick change between segment and blade
- **MAXI Plus 3SH** With high divided tools on all beams

Standard:

- Sharpnose blade 30°
- Bending blade 40 mm
- Manual crowning
- Foot pedal with safety switch
- TM 238 control unit

Optional:

- Manual backgauge type MSD, MOD og MPD
- Motorised backgauge type MZD
- Control: TM 238, CNC-2A, CNC-3A, FF-101
- Special blade and segments

Art.no	Type	Working length	Sheet thickness alu	Sheet thickness steel	Sheet thickness stainless	Clamping bar lift	Motor clamping beam	Motor folding beam	L x W x H	Weight
		mm	mm	mm	mm	mm	kW	kW	mm	kg
11800	MAXI Plus 20/80	2020	9,50	8,00	6,00	240 (350)	4,0	2x4,0	3480x1500x1750	5380
11804	MAXI Plus 25/70	2520	8,40	7,00	5,50	240 (350)	4,0	2x4,0	3790x1500x1750	5900
11808	MAXI Plus 30/60	3020	7,20	6,00	4,80	240 (350)	4,0	2x4,0	4470x1500x1750	6550
11812	MAXI Plus 40/40	4020	4,80	4,00	3,00	240 (350)	4,0	2x4,0	5480x1500x1750	8130
11816	MAXI Plus 45/30	4520	3,50	3,00	2,00	240 (350)	4,0	2x4,0	5980x1500x1750	9200
11820	MAXI Plus 50/20	5020	2,00	2,00	1,50	240 (350)	4,0	2x4,0	6480x1500x1750	10050

Motorised backgauge and programming

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MZD



MZDJ



Control unit: PUD
Digital control
Adjust bending angle
and backgauge by
potentiometer
Only TFM model



Control unit: FF-101
19" Colour screen
Advanced graphical control
of all sequences of the
machine



Control unit: CNC-2A
Digital control with screen
Adjust bending angle
And backgauge
Storing of bending angles



Control unit: CNC-3A
Digital control with screen
Adjust bending angle,
clamping beam
and backgauge
Storing of bending angles

The motorised folding machines type TFM, TSM, SLF and TVM can be delivered with motorised back-gauge and angle programming.

The back gauge is driven by a 0,37 kW motor with a speed of 25 mm/sec. and a precision of +/- 0,1 mm. To keep the accuracy in the spindles the back-gauge will always come from outside to the position wanted. The simple but logically programming in combination with the colour finger-touch screen mean that the operator very quickly reach a high efficiency of performance. Standard is the memory set up with 49 programs and each program with 16 steps, but it can also be 98 programs with 8 steps.

Standard is each step including 5 parameters:

1. Back-gauge setting.
2. Angle setting.
3. Correction of folding angle.
4. Hold time after each folding.
5. Waiting time before next step can start.

Accessories



Control: PT-1
Manual adjustment
of bending angle by
potentiometer



Control: PUD
Digital control
Manage bending angle
and backgauge
by potentiometer



Control: TM238
Digital bending control
Memory storage



Control: CNC-2A
Digital adjustment of
bending angle and
backgauge.
Memory storage



Control: CNC-3A
Digital adjustment of
bending angle, clamping
beam and backgauge.
Memory storage



Control: FF-101
19" TFT colour screen
Powerful graphical control.
Handles every sequence of
the machine



Backgauge MSD
100 – 1000mm
Tilt stop



Backgauge MOD
75 – 760/1000/1200mm
adjustable mm-scale



Backgauge MPD
6 – 760/1000/1200mm
Adjustable mm-scale
with fingers



Motorised backgauge MZDJ
6 – 1000mm
Rack and pinion



Motorised backgauge MZD
6 – 3000mm
with flexible fingers



Front stop MFG
70-300mm



Segments



Segments 3SH



Flatblade



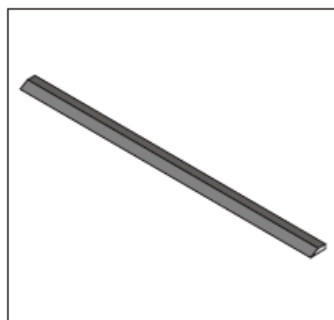
Round blade



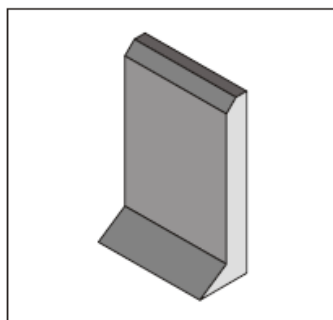
Sharp nose blade

Segments and dimensions

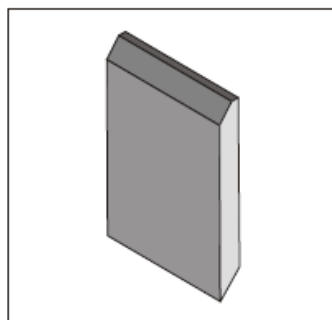
Lengths	Standard dimensions																		
mm	mm																		
1020	25	30	35	40	45	50	75	100	150	200	270								
1270	25	30	35	40	45	50	75	100	150	200	250	270							
1520	25	30	35	40	45	50	75	100	150	200	270	500							
2020	25	30	35	40	45	50	75	100	150	200	200	270	400	400					
2520	25	30	35	40	45	50	75	100	150	200	200	270	400	400	500				
3020	25	30	35	40	45	50	75	100	150	200	200	270	400	400	500	500			
4020	25	30	35	40	45	50	75	100	150	200	200	270	400	400	500	500	500		
4520	25	30	35	40	45	50	75	100	150	200	200	270	400	400	500	500	500	500	
5020	25	30	35	40	45	50	75	100	150	200	200	270	400	400	500	500	500	500	500



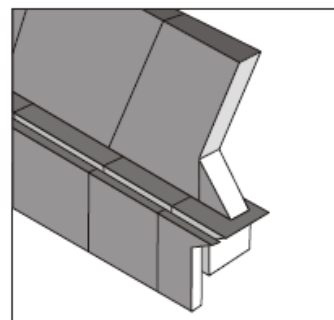
Sharp nose blade



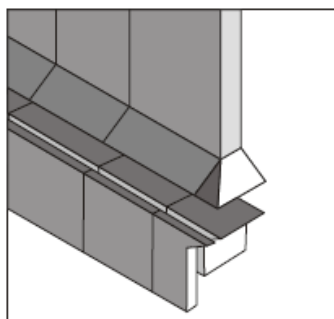
Segments high (SH)



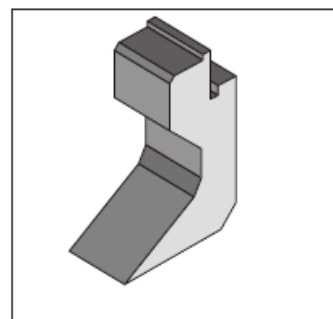
Segments (S)



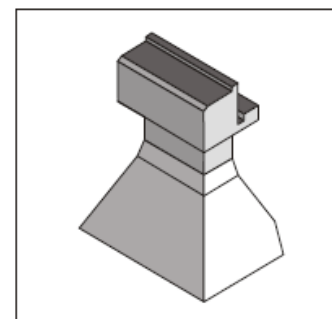
Segments (3S)



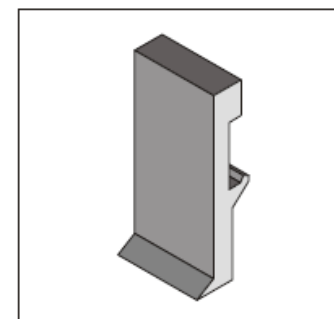
Segment (3SH)



Special tooling



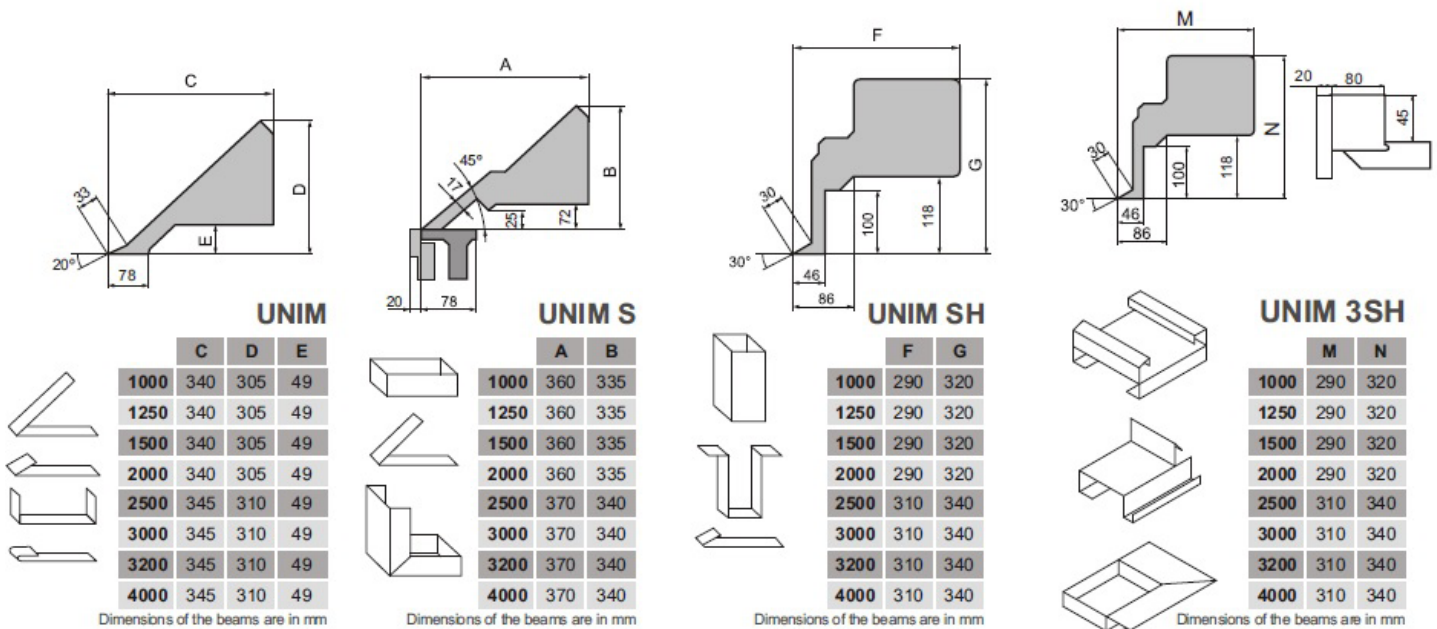
Corner segment



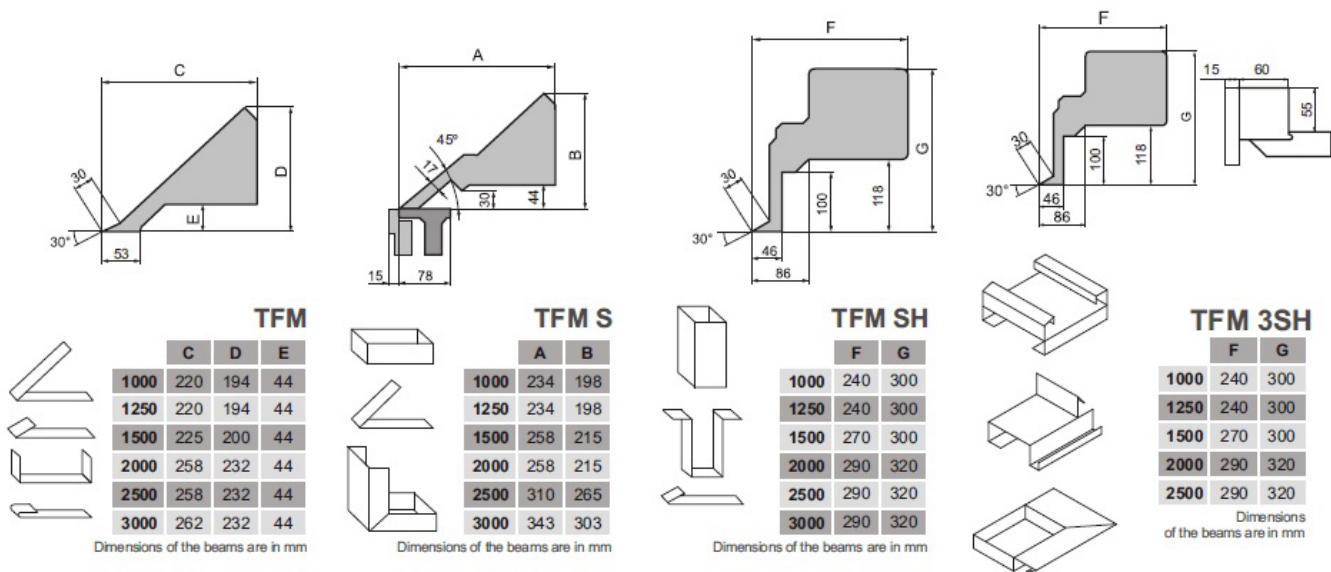
Segments quick change

Dimension sheets

Standard tooling UNIM

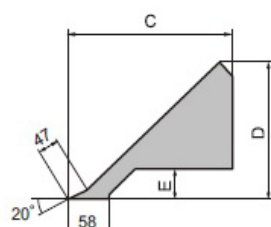


Standard tooling TFM



Dimension sheets

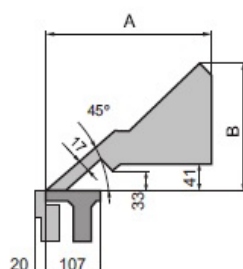
Standard tooling SLF



SLF

	C	D	E
1000	380	338	52
1250	380	338	52
1500	380	338	52
2000	360	338	52
2500	360	338	52
3000	360	338	52
4000	360*	338*	52*

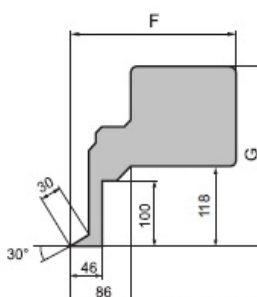
Dimensions of the beams are in mm



SLF S

	A	B
1000	350	310
1250	350	310
1500	350	310
2000	350	310
2500	355	315
3000	355	315
4000	355*	315*

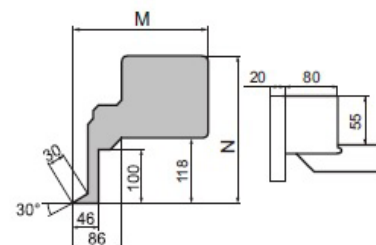
Dimensions of the beams are in mm



SLF SH

	F	G
1000	270	300
1250	270	300
1500	290	320
2000	290	320
2500	310	340
3000	310	340
4000	310*	306*

Dimensions of the beams are in mm

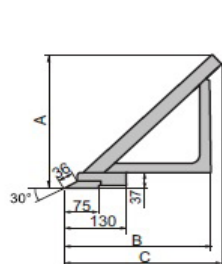


SLF 3SH

	M	N
1000	270	300
1250	270	300
1500	290	320
2000	290	326
2500	310	340
3000	310	340
4000	310*	340*

Dimensions of the beams are in mm

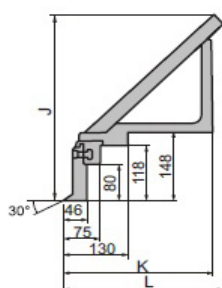
Standard tooling TSM



TSM

	A	B	C
1000	300*	300*	325*
1250	300	300	325
1500	300	300	325
2000	365	370	400
2500	400	370	435
3000	435	415	470
4000	435*	415*	470*

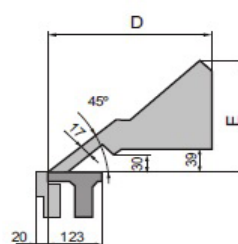
Dimensions of the beams are in mm



TSM SH

	J	K	L
1000	410*	300*	325*
1250	410	300	325
1500	410	300	325
2000	475	370	400
2500	510	370	400
3000	545	415	470
4000	545*	415*	470*

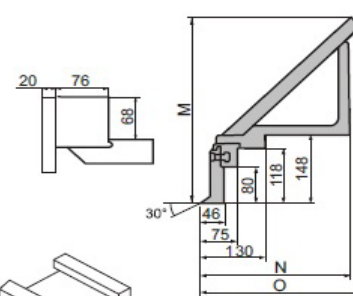
Dimensions of the beams are in mm



TSM S

	D	E
1000	345*	295*
1250	345	295
1500	345	295
2000	420	365
2500	455	400
3000	490	435
4000	490*	435*

Dimensions of the beams are in mm



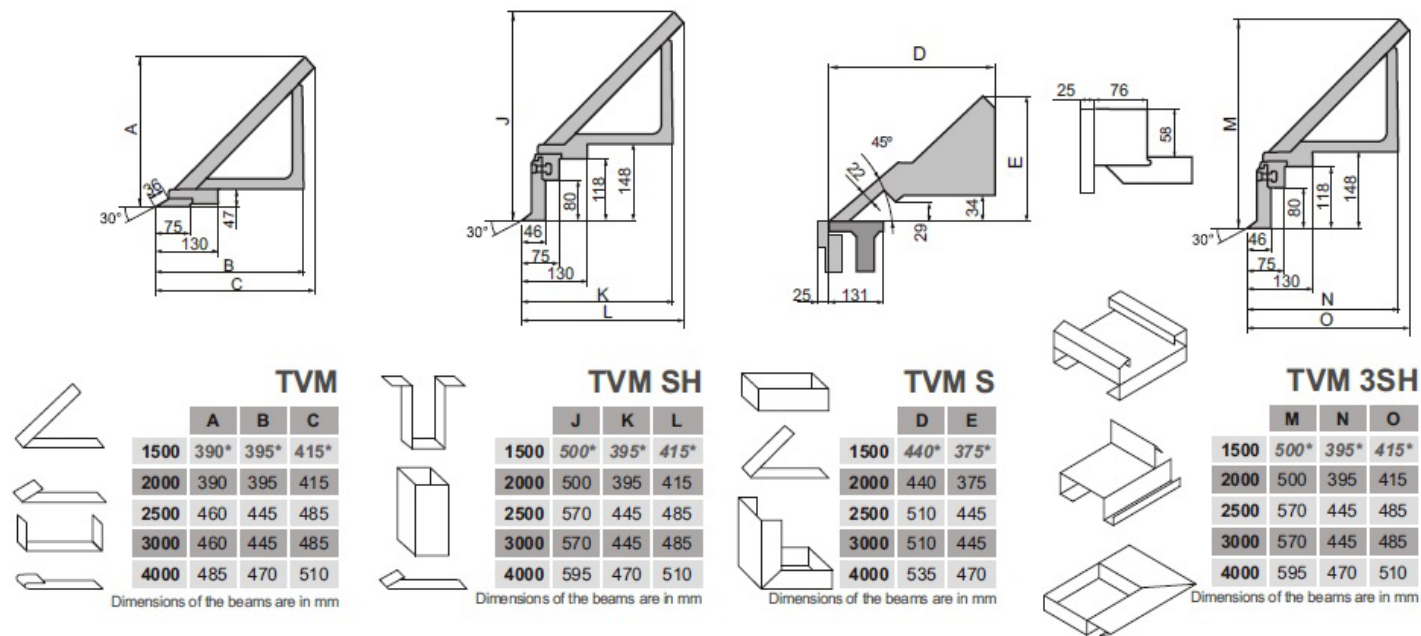
TSM 3SH

	M	N	O
1000	410*	300*	325*
1250	410	300	325
1500	410	300	325
2000	475	370	400
2500	510	370	400
3000	545	415	470
4000	545*	415*	470*

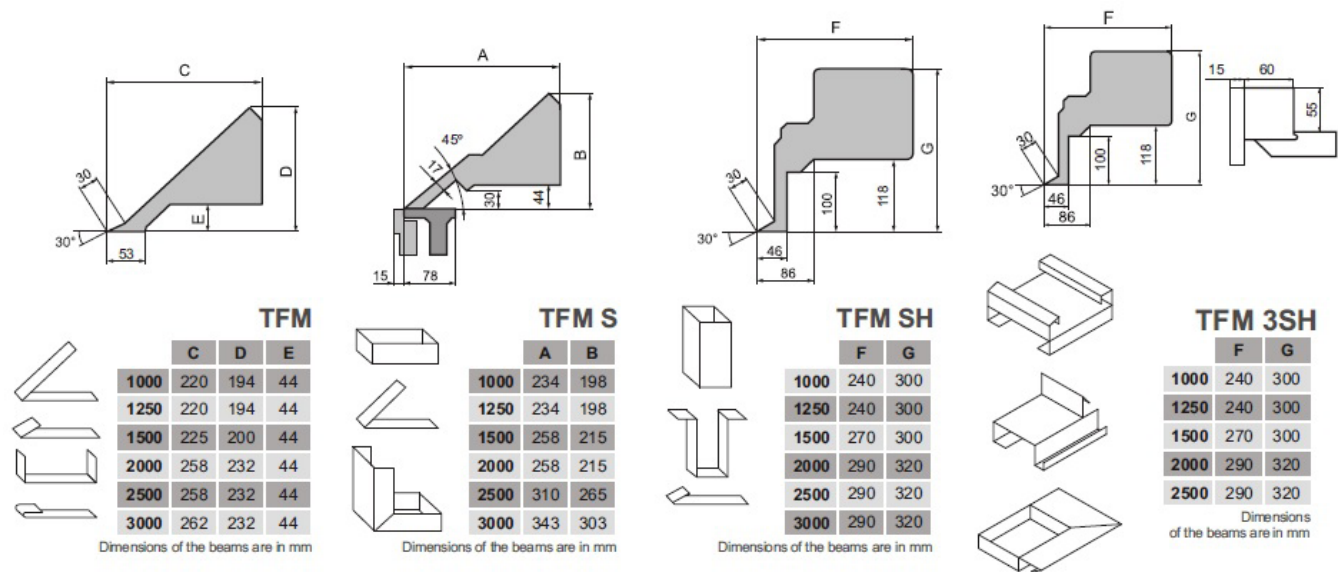
Dimensions of the beams are in mm

Dimension sheets

Standard tooling TVM

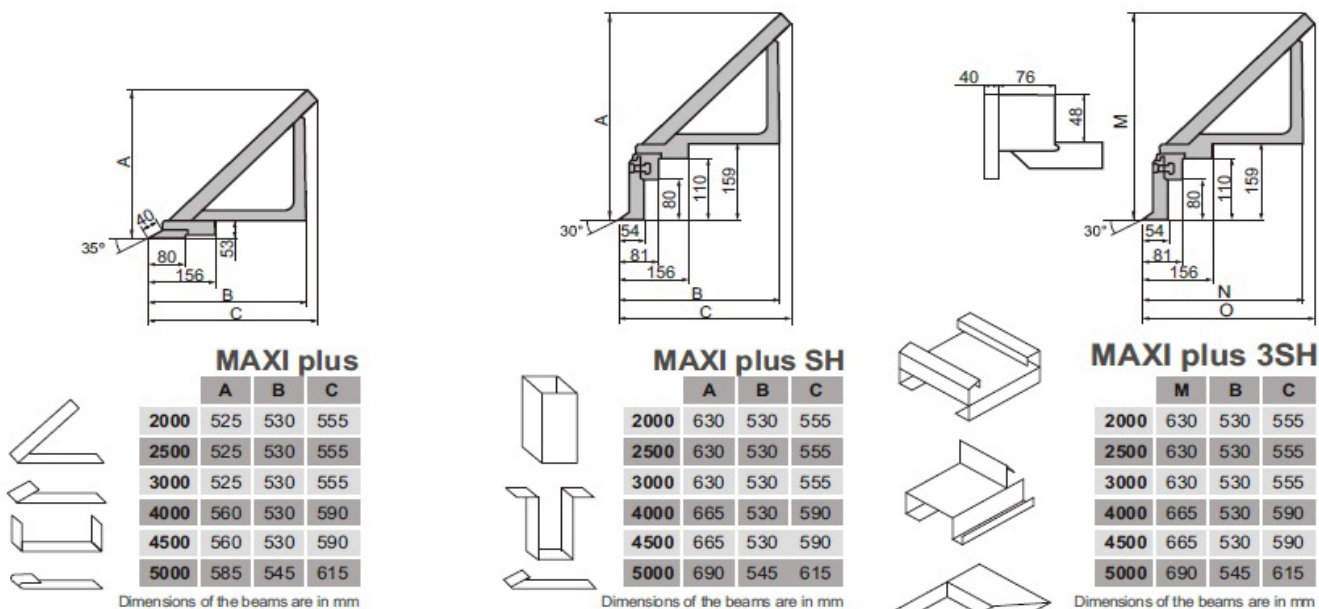


Standard tooling MAXI



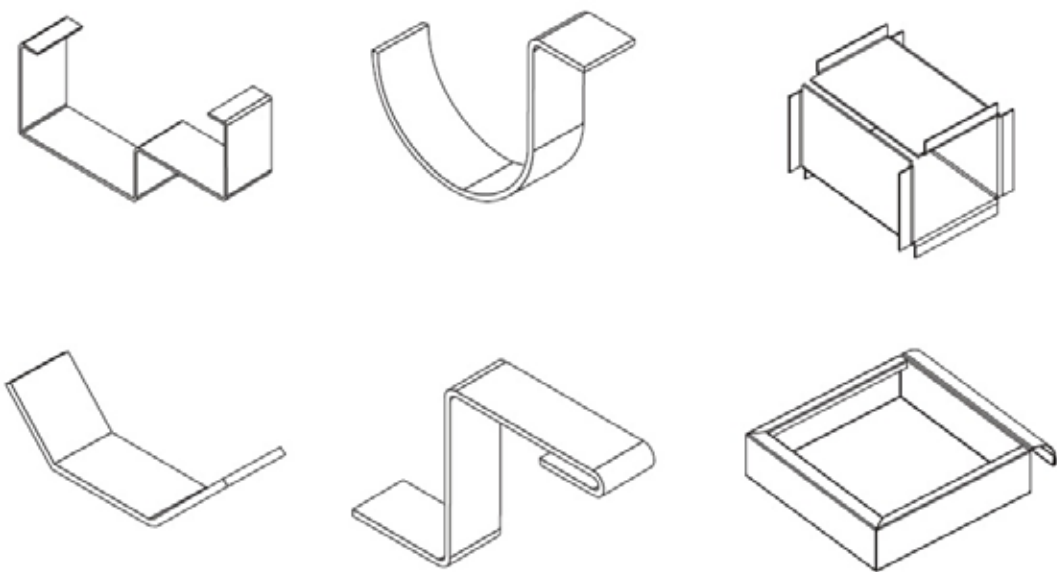
Dimension sheets

Standard tooling MAXI Plus



Product examples

Bending examples



Bending roller type R & IR

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IR 12x1,2



Drop end



Bending rollers type R & IR are designed for light to medium jobs. Up to 2 mm sheet thickness.

Type R is a manual machine and type IR is motorized. Type IR with moveable foot control. Top and bottom rolls powered by a single gear box and gear system. Asymmetrical positioning of the rolls and with all rolls crowned to ensure uniform bendings.

3 grooves for rolling of wire profiles. Cast iron main frames. Manual dropend. Full safety equipment according to the newest CE-directives. Optional with induction hardened rolls and DRO.

Art. No.	Type	Working length	Sheet thickness	Roller Ø	Length	Width	Height	Weight	Motor
		mm	mm	mm	mm	mm	mm	kg	Kw
14720	R 10x0,8	1050	0,8	46	1400	700	1120	160	-
14721	R 10x1,0	1050	1	56	1400	700	1120	185	-
14722	R 10x1,5	1050	1,5	68	1930	700	1160	280	-
14723	R 10x2,0	1050	2	75	1930	700	1160	300	-
14724	R 12x1,2	1270	1,2	68	2150	700	1160	310	-
14725	R 12x1,5	1270	1,5	75	2150	700	1160	330	-
14726	R 15x1,0	1550	1	68	2430	700	1160	350	-
14727	R 15x1,2	1550	1,2	75	2430	700	1160	365	-
14728	R 20x1,0	2020	1	75	2930	700	1160	525	-
14730	IR 10x0,8	1050	0,8	46	1400	700	1120	210	0,75
14731	IR 10x1,0	1050	1	56	1400	700	1120	240	0,75
14732	IR 10x1,5	1050	1,5	68	1930	700	1160	340	1,5
14733	IR 10x2,0	1050	2	75	1930	700	1160	385	1,5
14734	IR 12x1,2	1270	1,2	68	2150	700	1160	375	1,5
14735	IR 12x1,5	1270	1,5	75	2150	700	1160	400	1,5
14736	IR 15x1,0	1550	1	68	2430	700	1160	400	1,5
14737	IR 15x1,2	1550	1,2	75	2430	700	1160	430	1,5
14739	IR 20x1,0	2020	1	75	2930	700	1160	590	1,5

Bending roller type RS & RM

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RS 12x2,5



RM 12x2,5

Bending rollers type RS & RM are designed for light to medium jobs. Up to 3 mm sheet thickness. Type RS is a manual machine and type RM is motorized. Type RM with moveable foot control. Top and bottom rolls powered by a single gear box and gear system. Asymmetrical positioning of the rolls and with all rolls crowned to ensure uniform bendings. With conical bending device. 3 grooves for rolling of wire profiles. Manual dropend. Cast iron main frames. Full safety equipment according to the newest CE-directives. Optional with induction hardened rolls, DRO and motorized back roll adjustment.

Art. No.	Type	Working length	Sheet thickness	Roller Ø	Length	Width	Height	Weight	Motor
		mm	mm	mm	mm	mm	mm	kg	Kw
14741	RS 10x3,0	1050	3	90	2080	700	1250	410	-
14742	RS 12x2,5	1270	2,5	90	2300	700	1250	450	-
14743	RS 15x2,0	1550	2	90	2580	700	1250	560	-
14744	RS 20x1,5	2020	1,5	95	3080	700	1250	650	-
14746	RM 10x3,0	1050	3	90	2080	700	1250	410	1,1
14747	RM 12x2,5	1270	2,5	90	2300	700	1250	450	1,1
14748	RM 15x2,0	1550	2	90	2580	700	1250	560	1,5
14749	RM 20x1,5	2020	1,5	95	3080	700	1250	650	1,5

Bending roller type IRM

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IRM 20x3,0



Bending rollers type IRM are motorized machines with assymetrical positioning of the rolls which enables pre-bending of the workpiece. Up to 5 mm sheet thickness. With moveable control panel operated by foot. Top and bottom rolls powered by a single gear box and gear system. All rolls crowned to ensure uniform bendings. With conical bending device. 3 grooves for rolling of wire profiles. Manual dropend. Cast iron main frames. Full safety equipment according to the newest CE-directives. Optional with induction hardened rolls, DRO and motorized back roll adjustment.

Art. No.	Type	Working length	Sheet thickness	Roller Ø	Length	Width	Height	Weight	Motor
		mm	mm	mm	mm	mm	mm	kg	Kw
14755	IRM 10x4,0	1050	4	110	2200	750	1000	990	2,2
14756	IRM 10x5,0	1050	5	130	2200	750	1000	1200	2,2
14757	IRM 12x4,0	1270	4	120	2470	750	1000	1115	2,2
14758	IRM 12x6,0	1270	5	140	2470	750	1000	1350	2,2
14759	IRM 15x3,0	1550	3	110	2700	750	1000	1200	2,2
14760	IRM 15x4,0	1550	4	140	2700	750	1000	1420	2,2
14761	IRM 20x2,0	2050	2	110	3200	750	1000	1380	2,2
14762	IRM 20x3,0	2050	3	130	3200	750	1000	1500	2,2
14763	IRM 20x4,0	2050	4	140	3200	750	1000	1650	2,2
14764	IRM 25x2,5	2550	2,5	140	3700	750	1000	1850	2,2

Bending roller type MRM-S

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MRM-S 25x6,0

Bending rollers type MRM-S are motorized machines with assymetrical positioning of the rolls which enables pre-bending of the workpiece. Up to 10 mm sheet thickness. With moveable control panel. All rolls crowned to ensure uniform bendings. With conical bending device. Steel welded main frames. Top and bottom rolls powered by a single gear box and gear system. Central lubrication system. Standard with motorized adjustment of the back roll. Full safety equipment according to the newest CE-directives. Optional with induction hardened rolls, DRO for back roll and motorized adjustment of the bottom roll. Also as optional extended roll shafts for profile and pipe bending operation.



Extended roll
shafts for profile
bending



Manual drop-end

Bending roller type MRM-S

Best
Quality



Art. No.	Type	Working length	Sheet thickness	Roller Ø	Motor	Motor rear roller	Length	Width	Height	Weight
		mm	mm	mm	Kw	Kw	mm	mm	mm	kg
14770	MRM-S 10x7,0	1050	7	130	2,2	1,1	2750	650	1020	1200
14771	MRM-S 10x8,0	1050	8	150	3	1,1	2750	680	1040	1450
14772	MRM-S 10x9,0	1050	9	170	3	1,1	2850	720	1050	1600
14773	MRM-S 10x10	1050	10	190	4	1,5	3200	950	1300	2450
14774	MRM-S 15x6,0	1550	6	130	2,2	1,1	3250	650	1020	1400
14775	MRM-S 15x7,0	1550	7	150	3	1,1	3250	680	1040	1650
14776	MRM-S 15x8,0	1550	8	170	3	1,1	3350	720	1050	1850
14777	MRM-S 15x9,0	1550	9	190	4	1,5	3700	950	1300	2750
14778	MRM-S 20x4,0	2050	4	130	2,2	1,1	3750	650	1020	1600
14779	MRM-S 20x5,0	2050	5	150	3	1,1	3750	680	1040	1885
14780	MRM-S 20x6,0	2050	6	170	4	1,1	3850	720	1050	2100
14781	MRM-S 20x7,0	2050	7	190	4	1,5	4200	950	1300	3100
14782	MRM-S 20x9,0	2050	9	220	5,5	2,2	4200	1150	1400	4700
14783	MRM-S 25x4,0	2550	4	150	3	1,1	4250	650	1020	2150
14784	MRM-S 25x5,0	2550	5	180	4	1,5	4350	950	1300	3050
14785	MRM-S 25x6,0	2550	6	190	4	1,5	4700	950	1300	3400
14786	MRM-S 25x7,0	2550	7	220	5,5	2,2	4700	1150	1400	5000
14787	MRM-S 30x3,0	3050	3	160	4	1,1	4850	720	1050	2650
14788	MRM-S 30x4,0	3050	4	190	4	1,5	5200	950	1300	3750
14789	MRM-S 30x5,0	3050	5	200	4	1,5	5200	950	1300	4000
14790	MRM-S 30x6,0	3050	6	220	5,5	2,2	5200	1150	1400	6000

Bending roller type RM

Best
Quality

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RM 15x4-5

Bending rollers type RM are motorized mechanical 4-rolls machines with pre-bending. Up to 6 mm sheet thickness. Conical bending device. Ferrules in full circle or varying radiuses can be done easily. Pinch roll and lateral rolls move with screwjacks in linear way. Top roll is powered by planetary gearbox. Bottom and side rolls free. With moveable control panel. Manual drop end. Full safety equipment according to the newest CE-directives. Optional with induction hardened rolls, ground and polished rolls and 3 pcs.DRO.

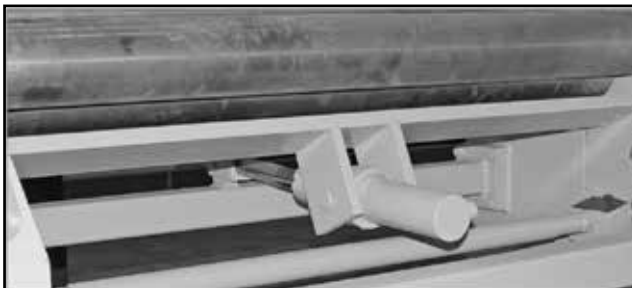
Art. No.	Type	Working length	Sheet thickness	Roller Ø	Motor	3 X Motor	Speed	Length	Width	Height	Weight
		mm	mm	mm	kw	Kw	m/min.	mm	mm	mm	kg
15650	RM 10x5/6	1050	5-6	130	2,2	3x0,75	5	2500	900	850	1300
15652	RM 15x4/5	1550	4-5	130	2,2	3x0,75	5	3000	900	850	1550
15654	RM 20x3/4	2050	3-4	130	2,2	3x0,75	5	3500	900	850	1900

Bending roller type 4R HMS

Best
Quality



4R HMS 15x10/12



Hydraulic
operated top roller

Bending rollers type 4R HMS are full hydraulic 4-rolls machines with pre-bending. Up to 15 mm sheet thickness. Conical bending device. Ferrules in full circle or varying radiuses can be done easily. Pinch roll and lateral rolls move with pyramid linear direct movement by hydraulic pistons. Top roll is powered by electrical motor and planetary gearbox. Bottom roll powered with cardan joint system. (Two rolls powered) 3 DRO for easy roll positioning. Hydraulic drop end. Welded steel frames. Moveable control panel. Induction hardened rolls. Full safety equipment according to the newest CE-directives. Optional with NC-control, Support rolls and double speed system.

Bending roller type 4R HMS

Best
Quality

Art. No.	Type	Working length	Sheet thickness	Roller Ø	Motor	Speed	Length	Width	Height	Weight
		mm	mm	mm	kw	m/min.	mm	mm	mm	kg
15670	4R HMS 06x3/3,5	650	3 / 3,5	80/80	1,1+0,75	5	1950	950	960	950
15671	4R HMS 10x2/2,5	1050	2 / 2,5	80/80	1,1+0,75	5	2350	950	960	1150
15672	4R HMS 12x1,5/2	1270	1,5 / 2	80/80	1,1+0,75	5	2570	950	960	1250
15673	4R HMS 12x2/3	1270	2 / 3	100/90	1,1+0,75	6,5	2570	950	960	1350
15674	4R HMS 12x4/5	1270	4 / 5	130/130	1,5+0,75	5	3020	1150	1110	2150
15675	4R HMS 12x5/7	1270	5 / 7	150/130	2,2+1,1	6	3020	1150	1110	2155
15676	4R HMS 12x7,5/10	1270	7,5 / 10	180/150	3,0+1,1	5	3070	1350	1290	2700
15677	4R HMS 12x10/12	1270	10 / 12	200/180	4,0+1,5	6	3070	1350	1290	3000
15678	4R HMS 15x1/1,5	1550	1 / 1,5	80/80	1,1+0,75	5	2850	950	960	1350
15679	4R HMS 15x1,5/2	1550	1,5 / 2	100/90	1,1+0,75	6,5	2850	950	960	1500
15680	4R HMS 15x3,5/4,5	1550	3,5 / 4,5	130/130	1,5+0,75	5	3300	1150	1110	2250
15681	4R HMS 15x4,5/6,5	1550	4,5 / 6,5	150/130	2,2+1,1	6	3300	1150	1110	2370
15682	4R HMS 15x7/9	1550	7 / 9	180/150	3,0+1,1	5	3350	1350	1290	2900
15683	4R HMS 15x9/11	1550	9 / 11	200/180	4,0+1,5	6	3350	1350	1290	3250
15684	4R HMS 15x10/12	1550	10 / 12	220/180	5,5+1,5	5	3500	1500	1370	4250
15685	4R HMS 15x12/15	1550	12 / 15	250/200	7,5+1,5	5	3500	1500	1370	4650
15686	4R HMS 20x3/4	2050	3 / 4	130/130	1,5+0,75	5	3800	1150	1110	2450
15687	4R HMS 20x4/6	2050	4 / 6	150/130	2,2+1,1	6	3800	1150	1110	2800
15688	4R HMS 20x6/8	2050	6 / 8	180/150	3,0+1,1	5	3850	1350	1290	3300
15689	4R HMS 20x8/10	2050	8 / 10	200/180	4,0+1,5	6	3850	1350	1290	3750
15690	4R HMS 20x9/11	2050	9 / 11	220/180	5,5+1,5	5	4000	1500	1370	4800
15691	4R HMS 20x10/12	2050	10 / 12	250/200	7,5+1,5	5	4000	1500	1370	5350
15692	4R HMS 25x3/4	2550	3 / 4	150/130	2,2+1,1	6	4300	1150	1110	3230
15693	4R HMS 25x4/6	2550	4 / 6	180/150	3,0+1,1	5	4350	1350	1290	3700
15694	4R HMS 25x6/8	2550	6 / 8	200/180	4,0+1,5	6	4350	1350	1290	4250
15695	4R HMS 25x7/9	2550	7 / 9	220/180	5,5+1,5	5	4500	1500	1370	5400
15696	4R HMS 25x8/10	2550	8 / 10	250/200	7,5+1,5	5	4500	1500	1370	6100
15697	4R HMS 31x3/4	3100	3 / 4	180/150	3,0+1,1	5	4850	1350	1290	4100
15698	4R HMS 31x4/6	3100	4 / 6	200/180	4,0+1,5	6	4850	1350	1290	4750
15699	4R HMS 31x6/8	3100	6 / 8	220/180	5,5+1,5	5	5000	1500	1370	6000
15700	4R HMS 31x7/9	3100	7 / 9	250/200	7,5+1,5	5	5000	1500	1370	6800
15701	4R HMS 31x10/12	3100	10/12	275/220	11	1,5 / 5	5400	1600	1800	10500
15702	4R HMS 31x12/15	3100	12/15	300/250	11	1,5 / 5	5400	1800	1950	11500
15703	4R HMS 41x4/6	4100	4/6	250/200	7,5+1,5	5	6000	1500	1370	8500
15704	4R HMS 41x6/8	4100	6/8	275/220	11	1,5 / 5	6400	1600	1800	12000
15705	4R HMS 41x8/10	4100	8/10	300/250	11	1,5 / 5	6400	1800	1950	13500

Bending roller type PK

Best
Quality

Made in
EU
★ ★ ★



Bending machine type PK is a 2-rolls machine, which over the years has been constantly optimized and improved, which means that this model today is among the most efficient on the market. The design is based on the same principles as the largest models, which ensures a very solid machine. The unique design ensures minimum maintenance and high uptime. All mechanical, electronic and hydraulic components are all exclusively from wellknown quality manufacturers.

Type PK are available with various options, as the center support for narrow diameters, loading and unloading tables - automatic.

Art. No.	Type	Working length	Sheet thickness	Roller Ø bottom	Roller Ø top	Length of rolls	Motor	Weight
		mm	mm	mm	kw	mm	mm	mm
15705	PK 05	500	2	250	80	530	5,5	950
15706	PK 10	1000	2	250	100	1050	5,5	1700
15707	PK 12	1200	2	250	110	1250	5,5	1850
15708	PK 15	1500	2,5	300	140	1550	5,5	1950
15709	PK 20	2000	3	350	180	2050	7,5	2400

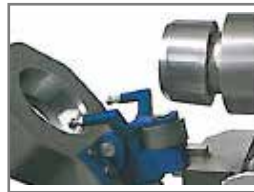
Bending roller type AK

Best
Quality

Made in
EU
★★★



Vertical support



Conical device



Profile bending

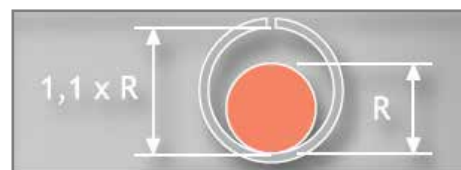


Feeding table

Bending roller type AK is a modern machine, carried out in a 3-roll structure. The frame is built around a solid all-welded construction which ensures maximum stability. All three rolls are driven by hydraulic motors directly mounted, to achieve maximum effect.

Massive torsion bars ensures constant parallelism.

The unique construction means that it is possible bend sheets with a diameter of less than 1.1 of the top roller. All components and machine parts are supplied from wellknown manufacturers, which helps to ensure the high quality. The machine is standard with induction hardened and polished rollers in high-quality forged steel. Possible to tilt rollers for conical bending.



Bending roller type AK

Best
Quality

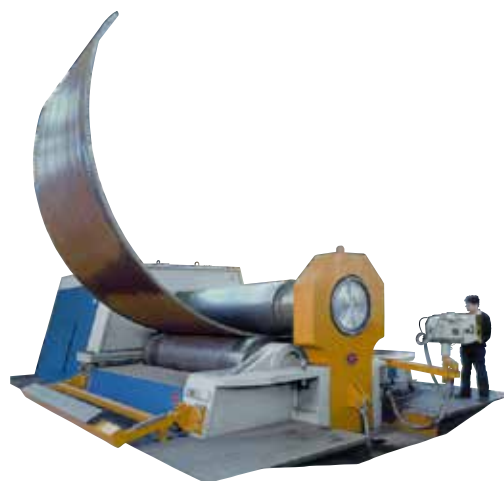
Art. No	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Upper roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	kw	Kg
15715	AK 124L	1250	4	2	110	120	2,2	
15716	AK 126A	1250	6	4	120	140	2,2	
15717	AK 154L	1550	4	2	120	130	2,2	
15718	AK 156A	1550	6	4	130	140	2,2	
15719	AK 174L	1750	4	2	130	140	2,2	
15720	AK 176P	1750	6	4	130	140	2,2	

Art. No	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Upper roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	kw	Kg
15721	AK 204L	2050	4	2	130	140	2,2	2000
15722	AK 206P	2050	6	4	140	160	2,2	2400
15723	AK 208B	2050	8	6	170	190	4	2800
15724	AK 210B	2050	10	8	190	210	4	3000
15725	AK 213R	2050	13	10	200	230	5,5	3500
15726	AK 218C	2050	18	14	240	260	7,5	4400
15727	AK 220C	2050	20	16	260	270	11	6000
15728	AK 225D	2050	25	20	290	300	11	6000
15729	AK 230M	2050	30	25	310	330	14,5	7000
15730	AK 240E	2050	40	30	370	380	18	8500
15731	AK 250G	2050	50	40	400	430	30	10000
15732	AK 280I	2050	80	60	500	550	44	30000

Art. No	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Upper roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	kw	Kg
15744	AK 306B	3100	6	4	190	200	4	3200
15745	AK 308B	3100	8	6	210	220	4	4000
15746	AK 310B	3100	10	8	230	240	5,5	5000
15747	AK 313C	3100	13	10	260	280	7,5	7000
15748	AK 316C	3100	16	12	270	300	7,5	8000
15749	AK 320D	3100	20	16	330	340	11	9000
15750	AK 325M	3100	25	20	350	370	15	10000
15751	AK 332E	3100	32	25	380	400	18,5	14000
15752	AK 340G	3100	40	30	410	450	30	23000
15753	AK 345G	3100	45	35	440	480	30	28000
15754	AK 350H	3100	50	40	460	510	37	32000
15755	AK 360I	3100	60	50	540	600	44	41000
15756	AK 370I	3100	70	55	630	680	55	47000

Art. No	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Upper roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	kw	Kg
15733	AK 256P	2600	6	4	170	190	2,2	2500
15734	AK 258B	2600	8	6	180	200	4	3000
15735	AK 2510B	2600	10	8	190	210	4	4000
15736	AK 2513R	2600	13	10	220	240	5,5	4600
15737	AK 2516C	2600	16	13	240	260	7,5	5000
15738	AK 2522D	2600	22	16	300	320	11	6000
15739	AK 2525D	2600	25	20	310	330	15	8920
15740	AK 2530M	2600	30	25	350	370	14,5	7500
15741	AK 2535E	2600	35	30	330	350	18	14000
15742	AK 2540F	2600	40	30	360	400	22	18000
15743	AK 2550G	2600	50	40	410	450	30	23000

Art. No	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Upper roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	kw	Kg
15757	AK 406B	4100	6	4	230	240	5,5	6800
15758	AK 408B	4100	8	6	240	270	5,5	7360
15759	AK 410C	4100	10	8	300	320	7,5	9500
15760	AK 412C	4100	12	10	310	340	9	10100
15761	AK 416D	4100	16	14	350	380	11	13000
15762	AK 420E	4100	20	16	380	410	15	21500
15763	AK 425E	4100	25	20	420	460	18,5	24200
15764	AK 432F	4100	32	25	460	510	22	32000
15765	AK 440G	4100	40	32	540	580	30	38600
15766	AK 450H	4100	50	40	600	650	44	42000
15767	AK 460I	4100	60	45	650	700	55	57500



Bending roller type MH

Best
Quality

Made in
EU
★★★

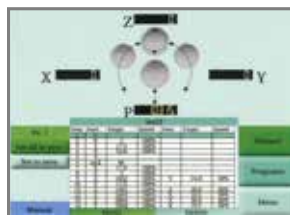


Bending roller type MH is a 4 rolls machine, which over the years has improved through extensive research and development and is considered one of the finest bending rollers on the market.

MH series is among the fastest and most user-friendly machines.

There is no possibility of losing the position of the plate since, the plate is clamped between the two middle cylinders, thereby ensuring the four rollers at all times a constant accuracy.

MH series is very suitable to be equipped with an NC or CNC control.



Type MH offers the most user-friendly CNC control on the market, for full hydraulic plate bending machines. CNC Touch Command EVO provides an inlet to an absolute minimum, due to the very precise control, which together with the roller guarantees a precision not seen on bebdubg rollers before. The operator enters data about the sheet, and then choose the desired shape - Round, elliptical, oval, etc.. Parameters can be entered manually or retrieved directly from the DXF file.

The controller also makes it possible to adjust the individual steps in the roll process. Thanks to a trimmer, it is possible for the operator to reduce or increase the speed, even during execution.

Bending roller type MH

Best
Quality

Art. No.	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Top roller ø	Side roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	mm	kw	Kg
15780	MH 204P	2050	4	2	130	140	105	2,2	1900
15781	MH 206P	2050	6	4	140	160	120	2,2	2100
15782	MH 208A	2050	8	6	170	190	150	3	3400
15783	MH 210R	2050	10	8	190	210	160	4	3800
15784	MH 213R	2050	13	10	200	220	170	5,5	4200
15785	MH 216C	2050	16	12	260	250	220	5,5	5300
15786	MH 218C	2050	18	14	260	270	220	7,5	5000
15787	MH 220D	2050	20	16	260	280	220	11	7500
15788	MH 228D	2050	28	22	300	320	230	11	8000
15789	MH 225D	2050	25	20	280	300	240	11	8000
15790	MH 235E	2050	35	28	320	350	260	15	11800
15791	MH 240M	2050	40	30	370	380	260	17	13000
15792	MH 250G	2050	50	40	380	420	320	30	16200
15793	MH 260H	2050	60	50	460	500	380	44	23000
15794	MH 270I	2050	70	50	520	570	440	36,7	30000
15795	MH 280I	2050	80	65	520	570	440	55	30900

Art. No.	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Top roller ø	Side roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	mm	kw	Kg
15812	MH 306A	3100	6	4	190	210	150	2,9	4500
15813	MH 308R	3100	8	6	220	230	170	4	5500
15814	MH 310B	3100	10	8	230	250	190	5,5	6000
15815	MH 314C	3100	14	12	270	290	210	7,5	8000
15816	MH 316C	3100	16	13	280	310	230	7,5	9000
15817	MH 322D	3100	22	18	330	350	240	11	13000
15818	MH 325M	3100	25	20	350	370	270	18	17000
15819	MH 328E	3100	28	20	360	380	290	15	18000
15820	MH 332E	3100	32	25	370	400	300	18	19000
15821	MH 335F	3100	35	28	400	430	330	22	21000
15822	MH 340G	3100	40	32	420	450	360	30	27000
15823	MH 345G	3100	45	35	440	480	370	30	29000
15824	MH 350H	3100	50	40	510	530	430	36,7	50000
15825	MH 365I	3100	65	50	570	630	470	44	60000
15826	MH 385N	3100	85	60	680	750	550	75	95000
15827	MH 3100T	3100	110	80	760	820	640	110	115000
15828	MH 3125V	3100	125	100	870	950	740	110	135000
15829	MH 3150Z	3100	150	120	-	1040	980	147	180000

Art. No.	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Top roller ø	Side roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	mm	kw	Kg
15796	MH 256P	2600	6	4	170	180	140	2,2	3500
15797	MH 258A	2600	8	6	180	200	150	2,9	400
15798	MH 2510R	2600	10	8	210	220	170	4	4500
15799	MH 2513B	2600	13	10	220	240	190	5,5	600
15800	MH 2516C	2600	16	12	250	270	210	7,5	6800
15801	MH 2518C	2600	18	14	260	280	220	7,5	7000
15802	MH 2522D	2600	22	18	310	330	240	11	10400
15803	MH 2528D	2600	28	20	320	340	230	11	10000
15804	MH 2530M	2600	30	25	350	370	270	18	14000
15805	MH 2532E	2600	32	24	340	360	280	15	15000
15806	MH 2535F	2600	35	30	380	400	310	22	16000
15807	MH 2545G	2600	45	35	420	450	340	30	24000
15808	MH 2550G	2600	50	40	450	500	390	44	26000
15809	MH 2550H	2600	50	40	460	510	400	44	29000
15810	MH 2560H	2600	60	50	510	530	430	36,7	33000
15811	MH 2570I	2600	70	60	530	570	440	44	58000

Art. No.	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Top roller ø	Side roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	mm	kw	Kg
15830	MH 406B	4100	6	4	230	245	180	5,5	7400
15831	MH 408B	4100	8	6	240	270	200	5,5	7600
15832	MH 410C	4100	10	8	300	320	230	7,5	13200
15833	MH 412C	4100	12	10	320	350	230	9	14400
15834	MH 416D	4100	16	14	350	380	290	11	22000
15835	MH 420E	4100	20	16	380	420	310	15	27500
15836	MH 425E	4100	25	20	420	460	370	18,5	31200
15837	MH 432F	4100	32	25	460	510	390	22	39500
15838	MH 440G	4100	40	32	540	580	460	30	56000
15839	MH 450H	4100	50	40	600	650	500	44	64000
15840	MH 460I	4100	60	45	650	700	550	55	80000

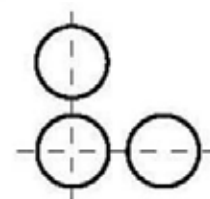
Art. No.	Type	Working length	Sheet thickness	Pre-bend	Lower roller Ø	Top roller ø	Side roller Ø	Motor	Weight
		mm	mm	mm	mm	mm	mm	kw	Kg
15845	MH 0501L	550	1,5	0,9	85	38	75	2,2	900
15846	MH 102L	1050	4	2	115	-	105	2,2	1100
15847	MH 123L	1250	3	1,5	115	90	105	2,2	1200
15848	MH 126P	1250	6	4	115	120	105	2,2	1400
15849	MH 154P	1550	4	2	120	130	105	2,2	1500
15850	MH 176P	1750	6	4	130	140	120	2,2	1600

Bending roller type ESR

Best
Price

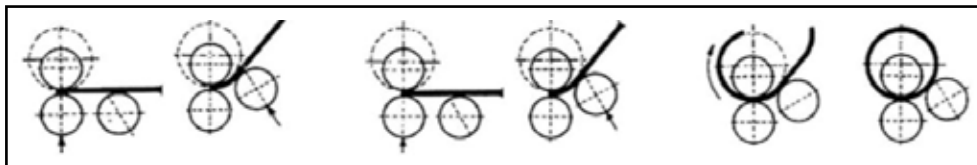


ESR 1550x3,5



Asymmetrical bending roll machine with 3 high strength steel rolls. ESR: Motorised machines with asymmetrically placed rolls, which enables pre-bending of the work-piece. A new and modern design, easy to operate and with all rolls crowned to ensure uniform bendings.

- Fixed top roller, adjustable lower and rear rollers
- Standard with wire core groove
- Top roll swing out across cam lock
- Supplied with conical bending feature



Art. No.	Type	Working length	Sheet thickness	Roller Ø	Motor	Length	Width	Height	Weight
		mm	mm	mm	kw	mm	mm	mm	kg
15610	ESR 1550x3,5	1550	3,5	120	2,2	210	580	105	790

Swaging machines type S & SM

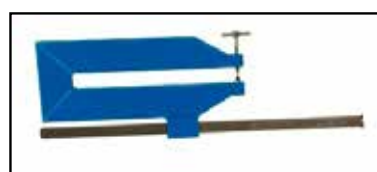
Best
Price



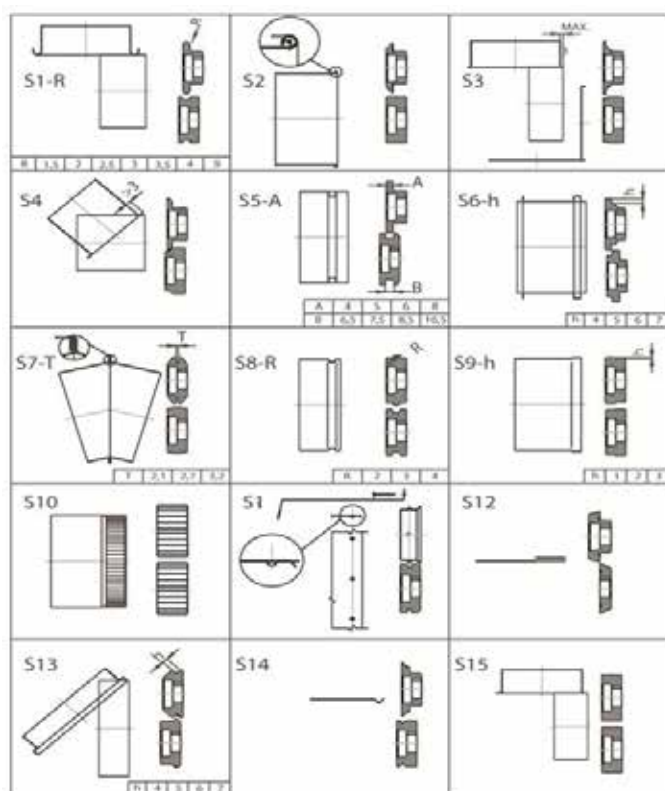
SM 250



S 250



Circle cutting attachment



Swaging machines type S250 is a heavy duty swaging machine, build in a solid construction with high quality steel shafts, and a steel tool gauge. Operation of type S250 is done manually, with a handle mounted at the back

Type SM 250 has the same solid construction as S 250, but is designed with motor. Therefore operation of the machine is done by foot pedal. Speed is stepless adjusted by operator.

Optional: Circle cutting attachment type RS 850 with max. Ø 800 mm and minimum Ø 60 mm. Full range of forming and cutting wheels.

Art. no.	Type	Capacity	Max. depth	Centre distance	Motor 230/400 V	Speed	Weight
		mm	mm	mm	kW	Rpm	kg
16000	S 250/50	1	250	50	--	--	25
16010	SM 250/50	1	250	50	0 - 0,37	0 - 65	60

Swaging machines type IK & IKMP

Best
Quality

Made in
EU
★ ★ ★

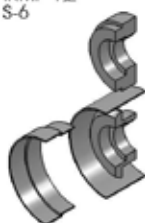


IK 1.2

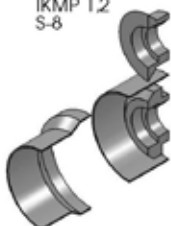
IKMP 1.2
S-1-2-3-4-5



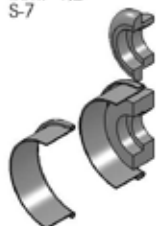
IKMP 1.2
S-6



IKMP 1.2
S-8



IKMP 1.2
S-7



IKMP 1.2

- Cast iron heavy duty main frame
- Forward-backward adjustable sheet support
- Gearbox motor with brake system (IKMP 1.2)
- Easy to carry for workshops
- Forward-backward adjustable bottom shaft

- Control with foot pedal (IKMP 1.2)
- Rolls shafts are special steel material
- 7 set of rolls standard
- Complete with bottom stand (IKMP 1.2)

Art. no.	Type	Capacity	Max depth	Shaft length	Roll diameter	Motor 230/400 V	Speed	Weight
		mm	mm	mm	mm	kW	o. / min.	kg
16020	IK 1.2	1,2	100	140	62	--	--	50
16025	IKMP 1.2	1,2	100	140	62	0,75	32	135

Circular cutting shear type IDK

Best
Quality

Made in
EU
★★★



Option
Pneumatic sheet-holder



Motorised IDK-2



Manual IDK-1

Circular cutting shear type IDK are sturdy machines built with a solid steel frame. Both machines are made with axles in tool steel, which ensures great durability.

Art. no	Type	Diameter	Sheet thickness	Speed	Motor	Throat	Length	Width	Height	Weight
		mm	mm	m/min	kw	mm	mm	mm	mm	kg
16462	IDK-1	1000	1	-	-	200	1200	200	350	60
16464	IDK-2	1000	2	7,5	1,1	280	1400	400	1150	350

Manual shear type KTS

Best
Price



KTS 06-12



KTS 10-10

Type KTS are bench mounted high precision shears. Perfect cutting of sheet materials up to 1,25 mm thickness. The “blade to blade” cutting system ensures very clean cuts with the least possible torsion of the strips.

Type KTS are manually operated machines standard with a manual back-gauge with mm-scale and squaring arm

Optional:

- Base for KTS
- Special knives



Backgauge w. mm-scale

Art. No.	Type	Cutting length	Sheet thickness	Back gauge	Table width	Table height	Length	Width	Height	Weight
		mm	mm	mm	mm	mm	mm	mm	mm	kg
12352	KTS 06/12	650	1,25	265	265	172	850	380	345	100
12358	KTS 10/10	1050	1,00	265	265	1250	940	740	220	220

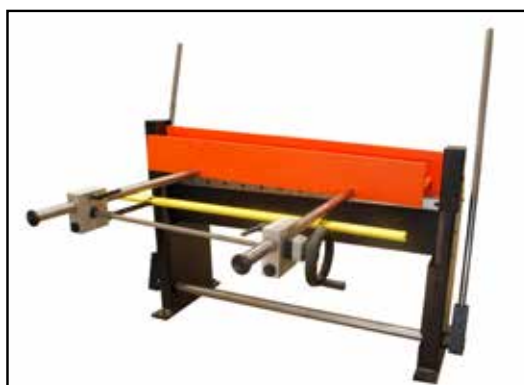
Manual shear type TPS

Best
Quality

Made in
EU
★ ★ ★



TPS 12-15



Backgauge

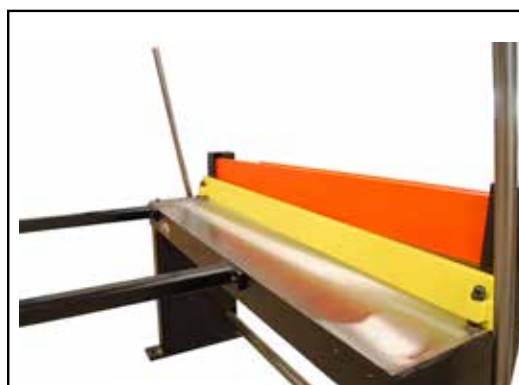


Table with support arms

Sheet shear Type TPS is a modern designed sheet shear. The well-balanced cutting system with a "blade to blade" construction of the knives ensures very clean cuts with the least possible torsion of the strips. Ideal for roofing, insulation and plumbing work.

All models are standard with a manual back-gauge with mm-scale, squaring arm and bench extensions.

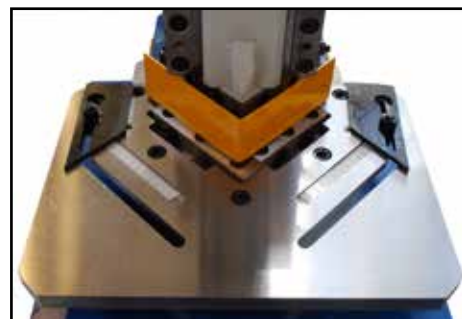
Art. No.	Type	Working length	Sheet thickness	Table length	Table width	Table height	Length	Width	Height	Weight
		mm	mm	mm	mm	mm	mm	mm	mm	kg
12338	TPS 12-15	1240	1,5	1200	300	750	1670	540	955	375
12340	TPS 20-12	2040	1,25	2200	300	750	2420	540	955	525
12342	TPS 25-10	2540	1	2700	300	750	2920	540	955	690

Corner notcher type KTCS

Best
Price



KTCS 100



Table

Type KTCS 100 are manual corner notchers, designed in a sturdy and easy to operate construction. The squaring guides can be easily positioned in whatever position and angularity.

- Adjustable upper and lower knives
- Adjustable stops for repeatability
- Graduated scale on both sides of lower die
- Quick easy adjustment of lower die

Type KTCS is delivered with a base as standard.



Quick adjustment of cutting gap

Art. No.	Type	Cutting length	Sheet thickness	Table width	Table height	Length	Width	Height	Weight
		mm	mm	mm	mm	mm	mm	mm	kg
12252	KTCS 100	102 x 102	3	380x280	-	450	390	550	100

Manual shear type TSGM

Best
Quality

Made in
EU
★ ★ ★



Type TSGM hand lever shear is of a sturdy cast iron construction. The machine is with open ended clamping for unlimited cutting length. With its recessed table and pivoting sheet holder, materials can be handled easily.

Type TSGM is with a specially developed blade arc, which ensures a perfect cut with minimal deformation and without burrs on the subject. The machines are ideal for cutting in all materials. Very suitable for roofing, insulation and plumbing industry. Mechanical sheet clamping system and back gauge with mm-counter.

Art. No.	Type	Working length	Sheet thickness	Table length	Table width	Back-gauge	Length	Width	Height	Weight
		mm	mm	mm	mm	mm	mm	mm	mm	kg
13330	TSGM 10/2,0	1050	2	1300	600	0-600	1920	1040	1350	450
13332	TSGM 12/2,0	1280	2	1565	600	0-600	2170	1040	1350	550

Manual shear type TGS / TGS-P

Best
Quality

Made in
EU
★★★



TGS 10-10

Sheet shears type TGS & TGS-P are foot-operated and pneumatically operated shears

Sheet shears type TGS are very accurate foot-operated shears, suitable for cutting metal and plastic. Standard with angle adjustable back gauge, twin-ground self-adjusting knives and automatic sheet support.

Sheet shears type TGS-P are pneumatic production machines with the same user-friendly design as TGS type. The shears are in a solid construction, easy to use and provide a good overview of the entire incision line.

The machines are CE approved and has a very low noise level at the operator station of 82 dB.

Standard:

- Adjustment of sheet holder
- Adjustable angle stop with mm-scale
- Adjustment of blade clearance
- Back gauge

Art. No.	Type	Working length	Sheet thickness	Cutting angle	Cuts	Table width	Table height	Length	Width	Height	Weight
		mm	Mm	°	Pr./min	mm	mm	mm	mm	mm	kg
12410	TGS 13-12	1310	1,25	3,5	-	335	750	1500	920	1010	200
12414	TGS-P 13-12	1310	1,25	3,5	22	335	750	1500	550	1010	215

Accessories



Adjustable angle stop



Base for KTS



Special knives



Knife for KTLS

Motorised shear type SMP

Best
Price



SMP 20-20



Backgauge and
sheet support

SMP motorised sheet shears are sturdy and well-dimensioned machines of fully-welded construction. A simple and unique chain system provides a very efficient operation with fast cutting speed and a very low noise level. Optimum shearing angle for minimum distortion. High-quality knives and rubber-coated sheet hold-down unit are standard. Lubrication- and maintenance-free bearings and guideways.

Standard

- Manual backgauge with mm-scale
- Cutting line lightning
- Cut counter
- Bench extensions 600 mm
- Bench angle stop
- Mobile 24 V foot switch
- TONVR control equipment
- 2-sides shear knives
- Rear guarding with interlock

Optional:

- Sheet support
- Special knives



Rear guarding



Backgauge w. mm-scale

Art. No	Type	Cutting length	Sheet thickness	Cutting angle	Cutting speed	Motor	Back-gauge	Table width	Table height	L x B x H	Vægt
		mm	mm	°	cuts/min	kW	mm	mm	mm	mm	Kg
13000	SMP 12/30	1275	3	2,0°	35	3	635	330/930	870	1500 x 550 x 1100	875
13100	SMP 12/40	1250	4	2,4°	38	4	640	330/930	870	1600 x 560 x 1230	1300
13110	SMP 20/20	2050	2	1,75°	38	3	640	330/930	870	2250 x 560 x 1130	1520
13120	SMP 20/30	2050	3	2,0°	35	4	665	420/1020	870	2500 x 670 x 1230	1550

Motorised shear type MLS

Best
Quality

Made in
EU
★★★



MLS 12-30



Pneumatic sheetcatcher

Well dimensioned motorised shears type MLS only requires a minimum of space, and guarantees a superior cutting quality, high performance and low noise level. The machine is standard equipped with front slip for cut sheets, what makes operators work more easy.

The machines are available in following versions:

MLS: With manual backgauge
MLS-EB: With motorised backgauge
MLS-EB: With NC-controlled backgauge

Standard:

- Manual backgauge
- Cutting line lightning
- CE approved safety equipment
- Rubbered clamping beam
- Foot pedal
- Angle stop
- Single or continual cuts

Optional:

- Backgauge 1000mm
- Telescopic table extensions 600mm
- Fixed table extensions 750mm
- Pneumatic support for thin sheet metal cutting
- Special knives for stainless material cutting
- Cuts counter

Art. No.	Type	Cutting Length	Sheet thickness	Cutting speed	Motor	Back-gauge	Length	Width	Height	Weight
		mm	mm	cuts/min	kW	mm	mm	mm	mm	Kg
13130	MLS 12-30	1275	3	35	3	750	1650	485	1100	765
13132	MLS 15-25	1525	2,5	35	3	750	1925	485	1130	850
13134	MLS 20-20	2020	2	35	3	750	2420	485	1130	995
13136	MLS 25-15	2525	1,5	35	3	750	2920	485	1130	1150
13138	MLS 30-10	3025	1	35	3	750	3420	485	1130	1350

Motorised shear type MPS

Best
Quality

Made in
EU
★★★



MPS 25-30

Shears type MPS are solid and well dimensioned machines with fully welded construction. The direct drive chain system provides a very efficient operation with fast cutting speed and a very low noise level. Optimized knife-angle for minimum distortion. The perfect cut is guaranteed by high-quality knives and sturdy frames. Automatic sheet hold-down covered with rubber. Extension arms in the front enable enlargement of the table support surface.

The machines are available in following versions:

MPS: With manual backgauge
MPS-EB: With motorised backgauge
MPS-EB: With NC-controlled backgauge

Standard

- Manual backgauge with mm-scale, 750mm
- Table extensions
- Mobile 24 V foot switch
- TONVR control equipment
- rubber-coated sheetholder
- Cuts counter
- Single or continual cuts
- Knives with two cutting edges



Gap adjusting
(optional)

Optional:

- Gap adjusting system for knives
- Motorised backgauge 1000mm
- NC controlled backgauge
- Pneumatic sheet support
- Special knives
- Cutting line lightning
- Adjustable angle stop
- Arm extensions
- Angle stop with mm-scale and t-slots
- Support angle arm with tilt stop
- Table extensions with mm-scale and t-slots

Art. No.	Type	Cutting length	Sheet thickness	Cutting angle	Cutting speed	Motor	Backgauge	Table width	Table height	Weight
		mm	mm	°	cuts/min	kW	mm	mm	mm	kg
13200	MPS 12-40	1300	4	2,4°	35	4	635	400/650	800	1200
13207	MPS 15-35	1580	3,5	2°	35	4	635	400/650	800	1300
13210	MPS 20/30	2050	3,00	2,0°	35	4	635	400/650	800	1400
13220	MPS 25/30	2550	3,00	1,8°	35	4	635	400/650	800	1625
13230	MPS 30/30	3050	3,00	1,5°	35	4	635	400/650	800	1850
13240	MPS 40/12	4050	1,25	1,3°	35	4	635	400/650	800	2050

Motorised shear type MPSH

Best
Quality

Made in
EU
★★★



MPSH 40-15

Shears type MPSH are solid and well-dimensioned machines with fully welded construction. The direct drive chain system provides a very efficient operation with fast cutting speed and a very low noise level. Optimized cutting angle for minimum distortion. The perfect cut is guaranteed by high-quality knives and sturdy frames. Automatic sheet hold-down covered with rubber.

The machines are available in following versions:

MPSH: With manual backgauge
MPSH-EB: With motorised backgauge
MPSH-NC: With NC-controlled backgauge

Standard

- Manual backgauge with mm-scale, 750mm
- Gap adjusting system for knives
- Single or continual cuts
- Table extensions
- Mobile 24 V foot switch
- TONVR control equipment
- Rubbered sheet holder
- Cuts counter
- Knives with two cutting edges



Gap adjustment
Standard

Optional:

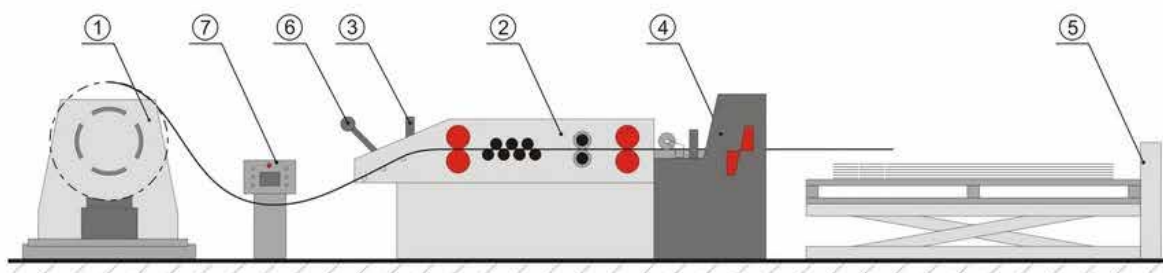
- Motorised backgauge 1000mm
- NC controlled backgauge
- Pneumatic sheet support
- Special knives
- Cutting line lightning
- Adjustable angle stop
- Arm extensions
- Angle stop with mm-scale and t-slots
- Tilt stop for angle stop
- Table extensions with mm-scale and t-slots
- Tiltstop for table extensions

Art.nr	Type	Cutting-length	Sheet-thickness	Cutting angle	Cutting speed	Motor	Backgauge	Table width	Table height	Weight
		mm	mm	grader	cuts/min	kW	mm	mm	mm	kg
14000	MPSH 12/45	1300	4,5	2,4°	35	5,5	650	400/650	800	1340
14007	MPSH 15/40	1550	4,0	2,2°	35	5,5	650	400/650	800	1450
14010	MPSH 20/40	2050	4,0	2,0°	35	5,5	650	400/650	800	1520
14027	MPSH 25/40	2550	4,0	1,75°	35	5,5	650	400/650	800	1810
14030	MPSH 30/30	3050	3,0	1,5°	35	5,5	650	400/650	800	2050
14038	MPSH 30/40	4050	4,0	1,5°	35	5,5	650	400/650	800	2610
14040	MPSH 40/15	4050	1,5	1,5°	35	5,5	650	400/650	800	2610

Coil cutting line type LDP

Best
Quality

Made in
EU
★★★



Coil cutting machine type TM is built in a modular system. The modules makes it possible to deliver a system built exactly to customer needs and the specific job

- The feeding unit is with a fixed and a mobile alignment according to the thickness of the sheets
- Two feed rollers located behind straightening module
- Five to seven rollers in straightening module, vertical adjustment, digital readout
- Upper and lower shafts with shears for longitudinal sheet cutting. Two to seven pairs of knives
- Simple adjustment of the knives
- Control unit with 5,7" touch screen display. Wide range of programming options. Manual automatic mode.
- Deposition Table - Optional

Type TM is intended for direction, transverse and longitudinal cut from the reel.

The line consists of the following modules:

- Pos. 1 - Decoiler 3 til 10 tons, width 1000mm, 1250mm eller 1500mm
- Pos. 2 - Main unit
- Pos. 3 - Straightening module
- Pos. 4 - Cross cutting
- Pos. 5 - Lowering / lifting table
- Pos. 6 - Adding protective foil module
- Pos. 7 - Control unit



Art.No.	Type	Coil Width	Max sheet thickness	Number of straightening rolls	Number of feeding rolls	Speed	Motor	Weight
		mm	mm	pcs	pcs	m/min	kw	kg
14310	TM 0	1050	1,25	5	2	25	0,75 +1,1	1500
14312	TM 1	1250	1,75	5	2 (4)	15	3 + 2,2	2450
14314	TM 2	1250	2,25	7	4	25	4 + 2,2	2800
14316	TM 3	1500	1,5	5	2 (4)	15	3 + 2,2	3050
14318	TM 4	1500	2	7	4	25	4 + 2,2	3200

Accessories



Support arms



Adjustable angle stop



Knife adjusting



Manual backgauge



Motorised backgauge



Pneumatic sheetcatcher



NC controlled
backgauge



Cutting line light



Cut counter



Base for KTS



Special knives

Produtech fiberlaser type ISEO

Best
Quality

Made in
EU
★★★



Produtech fiber laser type ISEO is a newly developed innovative machine that revolutionises workflow in cutting sheet metal directly from the coil. The benefits of handling thin sheet directly from the coils are many, which includes no limitation in handling of the material length. The continuous feeding of material ensures high productivity. The latest fiber laser technology provides unique cutting quality, high precision and impressive cutting speed. The technology within fiberlaser, is very energy efficient, with a minimum of maintenance costs. Type ISEO is suitable both for the production of steel, aluminum, brass and copper. The workspace is completely covered, and ensure that the machine meets all safety requirements.

Coil feeding system:

The system consists of rolls via rectified rubber coating provides high resistance, which is driven by a brushless motor. This guarantees constant control of the positioning of the coil during the routine work and avoids many drawbacks (ie the need for multiple restarts or using clamps) and thus ensures speed and accuracy.

Laser source:

The laser source is provided by IPG from Germany, which is the largest supplier in the market for fiber lasers. The laser cutting head is also from IPG, so we ensure the best possible use of the products.

Coiler:

Coil-launcher is a heavy-duty model. The structure is designed and constructed of thick electro-welded steel, annealed and processed with high precision. It has a hydraulic expansion of the mandrel to move inside the coil. This allows for an easy and quick replacement. The rotation is performed by a hydraulic motor with gear unit, which can finely adjust the speed, and is automatically controlled by an electro-mechanical device. Another electromechanical device control the "loop". The coiler unit is equipped with a motorized rotating arm, which ensures that no "rollback" occurs, and that the coil always have the correct settlement.



Produtech fiberlaser type ISEO

Best
Quality

Cutting head:

Designed with innovative technologies and assembled with quality parts, the cutting head is mounted on the machine by guides that are sufficient, hardened and rectified, with ball screws. The lateral movement (y-axis) along the entire width, is made of the latest generation of linear motors, manufactured by the best brands, ensuring high reliability, precision and speed without the need for gears. Therefore, the head can obtain:

- High speed.
- High positioning accuracy.
- Minimal maintenance.



X-a axis:

The purpose of the extra X-a axis, to achieve higher performance in fiber-laser line.

Produtech designed the additional axis which makes the cutting head to move in the same direction as the material.

This extra axis moves via. A very fast and precise linear motor.

Both Xa and Y-axis movement is controlled by linear motors with very high precision,

When the client needs to cut larger shapes, long parts or radii, the machine will set the standby position Xa axis and will work with interpolation of the X and Y axis.

Control unit:

CNC control is provided by ESA GV (mod. S500). The user interface is an industrial PC with TFT LCD 12.1 "display and a separate keyboard is mounted on a panel.

Straightening-unit:

This unit is made of a "heavy-duty" construction, the structure consists of thick electro-welded steel, annealed and processed by high precision.

There are 4 pieces motorized rollers for conveying the material, which is made of chrome-plated steel, they are powered by a brushless motor and placed before and after the straightening unit, which guarantees the highest precision. Straightening-rollers are

made of chrome plated steel with a hardened surface. The top rollers are vertically movable by hand-wheel, with a digital position indicator to allow fine tuning.



Art.nr	Type	Coil width	Sheet thickness	Source	Control unit	Straightening rollers	Straightening rollers	Straightening rollers
		mm	mm	kw		mm Ø	Numbers	Feeding
24980	ISEO A2	1500	5	0,4 ; 1 ; 2	ESA	120	6	4

Iron worker type HKM

Best
Quality

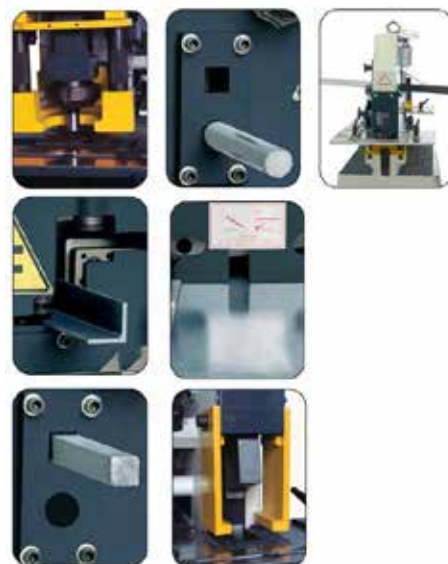
Made in
EU
★★★



HKM 60



HKM 40



Iron Worker type HKM are powerful machines built in a construction with 1 cylinder. Type HKM 40 is designed with 4 workstations and type HKM 45 & 60 with 5 workstations.

Punching station is designed to allow multiple applications. Many different types of tools are available on request.

Large hemming tables with guide ways are part of the extensive standard accessories.

The machines are equipped with a simple but extremely sturdy tumbler, which can be adjusted according to plate thickness.

All models are equipped with central lubrication, which helps to provide minimal maintenance needs.

Data		HKM 40	HKM 45	HKM 60
Art. No.		14825	14826	14827
Punching				
Pressure	ton	40	45	60
Diameter	mm	Ø 20x15	Ø 22x15	Ø 28x15
Throat depth	mm	175	175	220
Stroke	mm	50	50	55
Stroke count 20mm		X 20	X 20	X 25
Steel bar shear				
Round / Square	mm	30 / 25	30 / 25	40 / 35
Angle shear				
90° cut	mm	80x80x8	100x100x10	120x120x12
45° cut	mm	50x6	70x6	80x8
Sheet metal shear				
Flat iron thickness	mm	200x13	200x15	200x20
Flat iron width	mm	300x6	300x12	300x15
Blade length	mm	356	316	317
Angle flange	mm	80x10	80x10	80x10
Notching				
Thickness	mm	-	8	10
Width	mm	-	35	42
Depth	mm	-	75	100
Motor	Kw	3	4	4
Weight	kg	580	1180	1440

Iron worker type HKM

Best
Quality

Made in
EU
★ ★ ★



HKM 175



HKM 85

Iron Worker typeTPSH are powerful machines built in a construction with 2 cylinders. These machines are standard with large hemming tables with guideways, at the punching-shearing and notching station. All stations are equipped with a simple but extremely sturdy tumbler, which can be adjusted according to plate thickness.

All machines are standard with extensive safety equipment at all stations and with electrical back gauge.

When used by 2 operators, the hydraulic system is activated by two shielded foot pedals.

The machines are moving precisely in very small increments, and can therefore be stopped in any position to provide a safe and accurate tool setting.

Tools for special applications are available on request. All models are equipped with central lubrication, which helps to provide minimal maintenance needs.

Tekniske data		TPSH 55	TPSH 65	TPSH 85	TPSH 115	TPSH 175
Art. No.		14830	14831	14832	14833	14834
Punching						
Pressure	ton	55	65	85	115	175
Diameter	mm	Ø 20x20	Ø 26x20	Ø 33x20	Ø 34x26	Ø 40x32
Throat depth	mm	255	305	355	355	625
Stroke	mm	60	55	80	80	80
Stroke count 20mm		X 25	X 25	X 25	X 25	X 22
Steel bar shear						
Round / Square	mm	40 / 40	45 / 45	50 / 50	55 / 50	65 / 55
Angle shear						
90° cut	mm	120x120x12	120x120x12	150x150x15	150x150x16	200x200x20
45° cut	mm	70x10	70x10	80x8	80x10	80x10
Sheet metal shear						
Flat iron thickness	mm	200x20	300x20	380x20	380x25	380x30
Flat iron width	mm	300x15	375x15	480x15	600x15	600x20
Blade length	mm	317	380	482	610	610
Angle flange	mm	80x15	100x15	120x15	120x15	120x15
Notching						
Thickness	mm	10	10	13	13	16
Width	mm	45	45	52	60	60
Depth	mm	90	90	100	100	100
Motor	Kw	5,5	5,5	7,5	11	11
Weight	kg	1520	1600	2315	2920	6000

Motorised section roller type PK

Best
Quality

Made in
EU
★ ★ ★



PK 30F



PK 35F



Accessories



Horizontal operation

Section roller type PK are motorised machines made in a solid steel construction. The machine is built with the 2 bottom rollers powered, by a powerful gear system.

The section roller is additionally equipped with hardened and ground shafts that make the roller steady. Can be operated both horizontally and vertically

Type PK are available with freestanding pedal.

Optional: Rolls for Pipe, profile iron or angle iron, digital readout, equipment for C & S shape

Art. No.	Type	Flat iron	Flat on edge	Square iron	T-iron	Shaft diameter	Bottom rolls	Top rolls	Working speed	Motor	Weight
		mm	mm	mm	mm	mm	mm	mm	m/min	kw	kg
14800	PK 30F	50x10	80x15	30x30	50x6	30	118	148	3-6	0,7-0,85	220
14802	PK 35F	60x10	100x15	35x35	30x1	50	155	155	4,5	1,5	400

Motorised section roller type HPK

Best
Quality

Made in
EU
★★★



HPK 80



HPK 80 horizontal



Section roller type HPK are hydraulic machines made of solid steel construction. The machines are built with all 3 rollers powered, by a powerful gear system.

The section roller is additionally equipped with hardened and ground shafts that make the roller steady.

Can be operated both horizontally and vertically

Type HPK are equipped with hydraulic adjustment of the top roll, brake engine and free standing pedal with emergency stop.

HPK 65, 80, 100, 120 & 160 are delivered with digital read out, as standard equipment

HPK 80, 100 has hydraulic lateral guide rolls as optional equipment – Standard at **120 & 160**

Optional: Rolls for Pipe, profile iron or angle iron

Art. No.	Type	Flat iron	Flat on edge	Square iron	T-iron	Shaft diameter	Bottom rolls	Top Rolls	Working speed	Motor	Weight
		mm	mm	mm	mm	mm	mm	mm	m/min	kw	kg
14810	HPK 50	60x10	100x15	35x35	60x7	50	162	152	4,5	1,1	500
14811	HPK 60	80x20	120x25	50x50	80x9	60	215	215	4	1,5	950
14812	HPK 65	60x10	80x20	32x32	60x7	50/60	180	180	5	3	1000
14813	HPK 80	100x20	125x25	45x45	80x9	70/80	245	245	6	4	1700
14814	HPK 100	100x20	200x30	60x60	100x11	100	315	315	7	7,5	3650
14815	HPK 120	125x25	200x50	65x65	100x11	120	390	390	2-7,5	15	4770
14816	HPK 160	150x40	280x50	90x90	150x15	160	500	500	3-6	22	10700

Horizontal bending presses type HP

Best
Quality

Made in
EU
★★★



HP 22



HP 40



Standard equipment:
Toolholder for punch and die
Mandrels for the toolholders
Punch
V-die

Optional:
Tube-bending equipment
Punches
V-dies
Manual longitudinal stop
NC-Control



Horizontal presses type HP is user friendly and hydraulic machines designed to process many different profiles. The machine is equipped with a very strong cast iron table, to withstand even difficult tasks. Easy adjustment of stroke length, in front of the machine. Hydraulic moving carriage of forged steel with double slides, suitable hardened, ground and protected by dust scrapers. Moving beam are driving on the table in rigid way. Micrometer adjustment of the carriage stroke by hydraulic valve by hand wheels, positioned in front of the machine. Continuous stroke adjustment, even under the highest working pressure. Hydraulic single block power unit with the possibility of adjusting the pressure. Is operated either by foot pedal or two-handed control.

Art. No.	Type	Table dimensions	Table height	Pressure	Hydraulic pressure	Stroke	Punch/return	Working speed	Motor	Weight
		mm	mm	ton	bar	mm	mm/min	mm/min	kw	kg
14850	HP 22	625x1100	920	22	230	200	1750/2000	450	2,2	635
14852	HP 40	620x1050	930	40	250	250	1750/2000	470	4	920

Servo-Electric press brake type Cone

Best
Quality

Made in
EU
★★★★



Cone 1300



Cone 900

CoastOne press brake type Cone is a new type of servo-electric press brakes, with an ergonomic design which allows the operator to operate the machine sitting. Produced in Finland.

- Omron control unit with touch-screen (Simple and fast programming)
- Compact design
- Easy to move
- Servo motors with ball-screws spindles
- No hydraulic oil
- Silent operation
- Very low power consumption (1-2kw)
- Minimal service and maintenance



We can also provide CoastOne press brake as a part of a robotic cell.

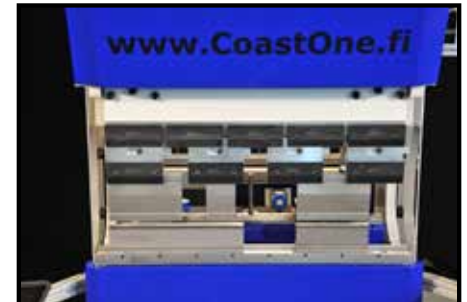
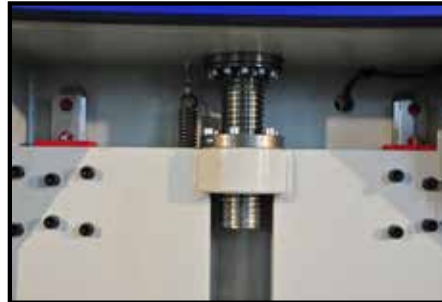
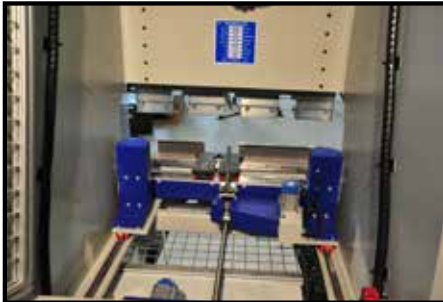
This cell will be customized in terms of robot-type - offline software and peripherals equipment. Offline software is offered by Robosoft, which makes it possible to create bending programs while programming the robot simultaneously, simple - quickly and efficiently. Suitable for small series.

Art. no.	Type	Cap.	Working length	Stroke length	Opening height	Throat depth	Dist. btw. frames	X-axis	R-Axis	Working speed	Return speed	Motor	Weight
		kN	mm	mm	mm	mm	mm	mm	mm	mm/s	mm/s	kw	kg
24900	Cone 900	220	868	150	400	200	808	400	135	10	100	4,4	1800
24901	Cone 1300	440	1300	150	400	200	1530	400	135	10	100	2 x 4,4	2800
24902	Cone 1600	440	1600	150	400	200	1230	400	135	10	100	2 x 5,0	2800

Servo-Electric press brake type Cone

Best
Quality

Made in
EU
★★★



CoastOne machines are equipped as the following:

- X+R at the backgauge
- Promecam toolclamping - quick tool change
- 2 swivel side tables
- Omron control unit
- Touchscreen
- 250 programs with up to 8 bends each one
- 50 different tool options
- Describe angle, automatic calculation of bending pressure
- Adjustable clearance



OMRON CNC Control Unit

All machines are manufactured in accordance with current CE regulations

- | | | |
|---|--|--|
| <ul style="list-style-type: none">• 50% off all pieces are less than 1000mm• Most items are less than 3mm• 1 tool is often only necessary• Programs are often very simple• Power consumption is only 1-2kw• Minimum of floor space is required• Easy to move• Quick and simple to program• Ergonomic working position• Correct working height• High precision ball screw spindles | <ul style="list-style-type: none">• Positioning tolerance $\pm 0,005\text{mm}$• Servo-Electric• No oil• Omron Digital control unit• Promecam tooling• Quick tool change• Minimal opening at each bend• Increased output• Describe angle - calculate pressure• Adjustable opening• Backgauge with X-R Axes | <ul style="list-style-type: none">• Backgauge with pullback• Adjustment of Y-Axis Speed• Ethernet• Userfriendly• 250 programs• 50 tool option• Designed, developed and manufactured in Finland |
|---|--|--|

Servo-Electric press brake type Cone O

Best
Quality

Made in
EU
★★★



Cone 2000



CoastOne Cone O-Frame series are bigger models now available with an O-frame, which means that it is a "closed" frame, thereby avoiding excessive bending in the frame of the machine. Cone O with CNC-controlled crowning guarantees perfect accuracy even in most demanding bendings. Machines are available in bending lengths from 2100mm up to 4100mm, bending forces from 600kN to 1500kN. Back gauge has a maximum of five axes.

Because of accuracy coming from servo-drives and CNC-crowning, Cone O-series fits perfectly to small series production.

Tekniske data		Cone 2000	Cone 2500	Cone 3000	Cone 4000
Artikel nr		24910	24911	24912	24913
Capacity	ton	60	80	100	150
Spindles	stk	3	4	5	6
Motor	kw	5	5	5	5
Bending length	mm	2100	2600	3100	4100
Distance between frames	mm	2200	2700	3200	4200
Width	mm/o	3014	3514	4014	5014
Height	mm	2350	2650	2950	2950
Depth	mm	1970	1970	1970	1970
Throat depth	mm	0	0	0	0
Working height	mm	900	900	1000	1000
Weight	kg	4000	5000	6000	7000
Åbning	mm	500	500	600	600
Y / X / R / Z movement	mm	280 / 600 / 200 / 100-2000:2500;3000;4000 0,002 / 0,025 / 0,05 / 0,5 10-100 / 500 / 100 / 2500			
Y / X / R / Z accuracy	+/- mm				
Y / X / R / Z speed	mm/sek				

Servo-Elektric press brake type Verde

Best
Quality

Made in
EU
★★★



**ENVIROMENTAL
QUIET – FAST - ACCURATE**
Up to 50% lower energy consumption
No oil
No valves
Very silent
Less maintenance
Higher reliability
Better working speed
Shorter time between cycles
*"Block-laser" with high-speed closing
down until 2mm*



STR

VERDE is synonymous of ENERGY SAVING and this new electric press brake machine demonstrates it. The result of the design has achieved an excellent goal thanks to the use of selected materials and innovative components. The strong points of this machine are precision, reliability, silence, speed and energy saving in addition to the excellent ergonomic results achieved.

Thanks to the programmer, the bending force necessary for all kinds of work is calculated through the TORQUE electric motors. With this system the motors will use just the necessary pressure needs for the bend, saving a lot of energy, otherwise wasted with traditional machines, with consistent economic advantages.

VERDE is equipped with UNIMEC mod. S series back gauges , movement on ball screws and ball linear guides, AC brushless motors which guarantees high precision and speed. VERDE is available in many different sizes.



Servo-Elektric press brake type Verde

Best
Quality



Control

S 500 PC, an innovative design, a modular hardware structure, in other words what's necessary to obtain the maximum from an essential control. Interactive 2D graphic editor for part programs and tools, direct connection to CAD/CAM systems are some features available on the controller. Windows® permits to easily integrate the controller into the factory local area network. Angle corrections data base in conjunction with specific sensors management achieve a good bending angle approximation. Programming of the axes positions in tabular mode with automatic syntactical checks, automatic calculation of the R, Z and A positions and of the bending and crowning tonnage Windows® XP Embedded operating system.

15" TFT Colour monitor, 20Gb harddrive, USB, Ethernet, LAN.

**Verde 850 has ESAS530 as standard control unit*

Angle confirmation

High speed digital image processing technology measures the angle of the formed work piece on every cycle. Standard features include tolerance on bend angle, tolerance on 'warp' (bend inconsistency over length of the bend) and an out of tolerance alarm. When supported by the CNC system the data transfer can allow additional functions such as visual alert to the operator if a bend angle is out of tolerance and/or automatic correction to the bend program with re-bending.



Backgauge and front support

Type Verde can be equipped with a variety of Backgauges and front supports, all of type UNIMEC Mod. S. These are constructed with ball screws and linear guides, which guarantees the highest precision and speed.



Type 9S / 11S
2 or 4 axes backgauge



Type ATFS
6-axes independent
backgauge



Type MT03
Front support arms
with vertical and horizontal
adjustment by handwheel
and precision mechanical
counter.



Type MT04
Front support arms
med vertical an horizontal
adjustment.



Type AP01
Front support arms
CNC-controlled
Med adjustable length up
to 1500mm



Servo-Elektric press brake type Verde

Best
Quality

The use of modern high-performance electric press brakes with robot allows reduced bending times as well as comprehensive energysaving.

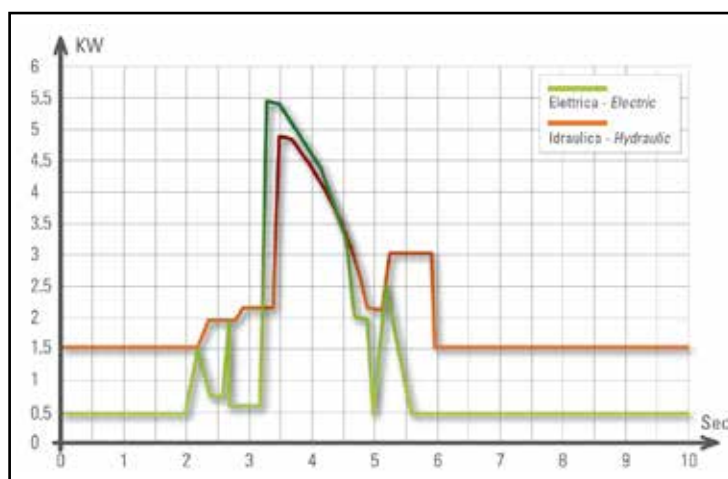
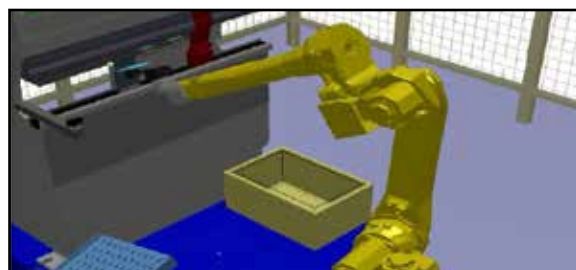
In collaboration with STR, we can offer a complete robotic solution where both press brake, robot and peripheral devices are coupled together in a single unit, enabling faster transport and simpler installation and setup. The robot and press brake has the same programming system, which means quick familiarization and large ease of use. Programming of the cell is highly flexible, and can be done off-line, while the cell is in use.

STR press brake is also available as a customized solution - This cell will be fitted to the customers needs, in terms of robot-type - offline software - peripherals etc.

Offline software can be offered from some of the industry's best producers; Robosoft and Starmatik. This creates bending programs and the programming of the robot at the same time, single - quickly and efficiently. Suitable for small series.

The procedure is as follows:

- Import of 3D file or DXF file to the software program
- Define tools
- Define bending lines and bend sequence
- Check for collisions and browse graphic simulation
- Automatic generation of programs for both press brake and robot (and other peripheral equipment)



Consumption comparison

Graph showing the consumption of Verde electric press brake and a conventional hydraulic press.

It can immediately be noted from the diagram that the Verde consumes power only when needed. It is particularly advantageous when the machine is stopped, when power consumption from Verde is 1/3 of the hydraulic press. The result is obtained with a bending of 20 tons and cycle duration of 4 seconds. As can be seen from the graph the results evident as Verde has an average consumption is more than 50% lower.

Art. no.	Type	Cap.	Working length	Stroke	Day-light	Throat	Dist. Btw. frames	X-axis	R-axis	Working speed	Rapid Approach	Rapid return	Motor	Weight
	Verde	kN	mm	mm	mm	mm	mm	mm	mm	mm/s	mm/s	mm/s	kw	kg
22900	850-15	150	850	230	450	200	750	420	150	10 / 25	260	260	4	2900
22901	850-20	200	850	230	450	200	750	420	150	10 / 25	300	280	4	2900
22902	1250-30	300	1250	230	450	240	1050	420	150	10 / 25	260	260	8	4200
22903	1250-40	400	1250	230	450	240	1050	420	150	10 / 25	300	280	8	4200
22904	2050-40	400	2050	230	450	240	1550	420	150	10 / 25	300	280	8,5	6300
22906	2050-60	600	2050	230	450	240	1550	420	150	10 / 25	200	260	8,5	6300
22908	3200-100	1000	3200	280	480	500	2550	600	150	10 / 25	160	160	13	12000

UNIMEC backgauge & front support

Best
Quality



3-axis backgauge.
Motorised x-axis
Manual R + Z1 - Z2 axis



4-axes backgauge
All Axis motorised -
X-R-Z1-Z2



6-axes backgauge
Independent axes
X1-X2-R1-R2-Z1-Z2



Automatic front support arms
Support during bending process



Manual backgauge finger



Manual backgauge

Back gauge from Unimec, Italy.

As a retrofit solution for press brakes we now offer backgauge and front support arms from Unimec. If the customer wants more axes at his press brake or simply a replacement of the existing backstop, this is the solution. This can be a good and cheaper option right now than buying a new machine. The backgauge is available with all axes and all models of machines. Unimec has delivered more than 10,000 backgauges to all the famous brands of press brake industry as they are one of the largest producers of backstop in Europe.



Hydraulic corner notcher type HKA

Best
Quality

Made in
EU
★★★★



HKA 200x6



Hydraulic corner notcher type HKA is build with an extremely solid frame, large and functional working table and an effective notching head. Adjusting of the cutting angle is done using two hand wheels, which ensure easy and accurate operation. Type HKA is equipped with automatic cutting gap adjustment for all thicknesses. The machine is designed with square guides, scales and angle gauge.

Self-lubricating precision guides to ensure the burr-free cut.

Extended work table with T-slot, and safe and easy operation with foot pedal

Thermal-magnetic on / off switch box according to the standards CEI and EMPI

Maintenance free hydraulics.

Data		HKA 200x6
Art. No.		24792
Cutting length	mm	200
Cutting thickness	mm	6
Knife angle	°	5
Cutting angle	°	30 - 140
Strokes	pr/min	50
Motor	kw	4
L X W X H	mm	920 x 1115 x 1300
Weight	kg	1200



Hydraulic swing-beam shear type HGL

Best
Quality

Made in
EU
★★★



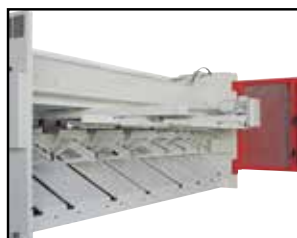
HGL 3100x6

Hydraulic shear type HGL are constructed with a welded all steel frame providing maximum rigidity and cutting accuracy. Top beam and work table of box-type construction. HGL are equipped with rapid blade gap adjustment mechanism and swing-up backgauge system for cutting longer pieces than backgauge range. Backgauge is equipped with retract function. Type HGL are designed with a compact, low-maintenance hydraulic unit located underneath work table. Hydraulic cylinders plainly designed and easily serviceable. Hydraulic holddown system and hydraulic overload protection. Fine-adjustment system for blades and adjustable stroke length to increase number of strokes on shorter cuts

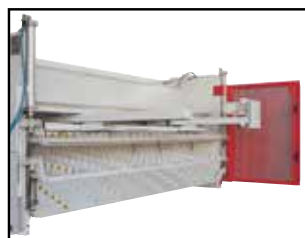
Standard:	Optional
<ul style="list-style-type: none"> • Shear blades made from tough and wearresistant alloyed material <ul style="list-style-type: none"> - Top blade: Two cutting edges - Bottom blade: Four cutting edges • 750 mm power backgauge with ballscrew spindles to 0.1 mm precision • Backgauge digital readout control <ul style="list-style-type: none"> • Digital stroke counter • Foot pedal control for single and repetitive cutting cycles • 1000 mm squaring arm with scale, T-slot and flip-stop <ul style="list-style-type: none"> • Front support arms in 1000 mm length • Work table with filler plates, ball transfers and hand slots <ul style="list-style-type: none"> • Emergency stop buttons • Shadow line facility with fluorescent lighting <ul style="list-style-type: none"> • "See through" finger guard 	<ul style="list-style-type: none"> • Power blade gap adjustment with digital readout • Pneumatic rear support systems for thin sheets. <ul style="list-style-type: none"> • Backgauge length other than standard • T-slotted front support arms with scale and flip-stop • Squaring arm and front arm length other than standard <ul style="list-style-type: none"> • Angle gauge • 1000 mm lift-up front finger guard with electrically safety switch <ul style="list-style-type: none"> • Holddown pads • Rear safety guarding

Hydraulic swing-beam shear type HGL

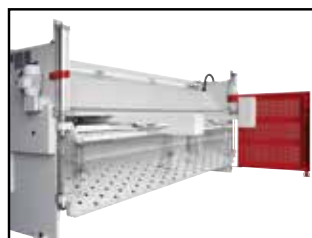
Best
Quality



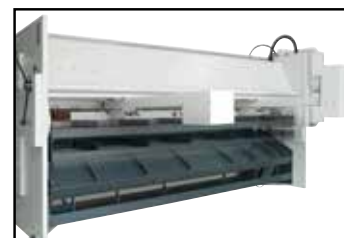
Pneumatic
sheetcatcher
type A



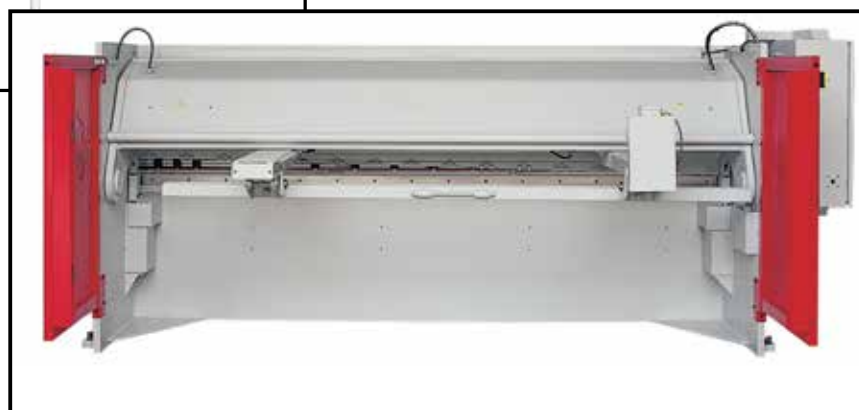
Pneumatic
sheetcatcher
type B



Pneumatic
sheetcatcher
type B with ball
spindles



Pneumatic
sheetcatcher
type universal



Art. no.	Type	Capacity	Cutting length	Cutting angle	Motor	Hold downs	Cuts	Oil tank	Back-gauge	Motor Back-gauge	LXWXH	Weight
		mm	mm	°	kW	No.	pr/min	L	mm	kw	mm	kg
23001	HGL 2100x6	6	2060	1,6	11	13	26	160	750	0,37	2690x2655x1570	3850
23003	HGL 2100x8	8	2060	1,8	15	13	18	160	750	0,37	2735x3000x1570	4600
23000	HGL 2600x6	6	2560	1,6	11	15	24	160	750	0,37	3190x2940x1570	4700
23002	HGL 3100x6	6	3060	1,6	11	17	20	160	750	0,37	3690x3000x1570	5500
23004	HGL 3100x8	8	3060	1,8	15	17	13	160	750	0,37	3735x3130x1650	6450
23006	HGL 3700x6	6	3660	1,2	11	20	18	160	750	0,37	4395x3130x1650	7300
23008	HGL 4100x6	6	4060	1,2	11	23	12	160	750	0,37	4735x3190x1750	9400

Hydraulic swing-beam shear type MGH

Best
Quality

Made in
EU
★★★



MGH 3100x10

MGH is a solid welded construction, which gives very accurate cuts. The top beam moves with high precision, and rapid blade gap adjustment ensures high efficiency scissors. MGH is additionally equipped with swing-up backgauge to cut longer pieces than backgauge can handle. The backgauge is standard with “retract-function”. MGH is equipped with a compact, service friendly hydraulic unit under the table for easy access. MGH is equipped with hydraulic hold down system to sheets, hydraulic overload protection and fine adjustment of blades from lower beam. MGH is standard with 250mm side frame throat gap, allowing continuous strip slitting

Standard:

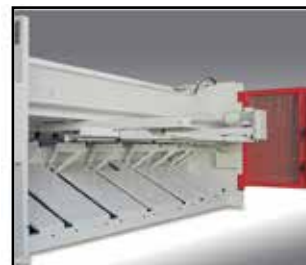
- Shear blades made from tough and wear-resistant alloy material
- Top blade: 2 cutting edges - bottom blade: 4 cutting edges
 - 1000mm power backgauge with ballscrew spindles to 0,1mm precision
 - Backgauge digital readout control
 - Digital cut counter
- Foot pedal control for single and repetitive cutting cycles
- 1000mm squaring arm with scale, t-stop and flip-stop
 - Front support arms in 1000mm
- Work table with filler plates, ball-transfer and hand slots
 - Emergency stop
 - Shadow line facility with fluorescent lighting
 - “See through” finger guard and side throat guards.

Optional:

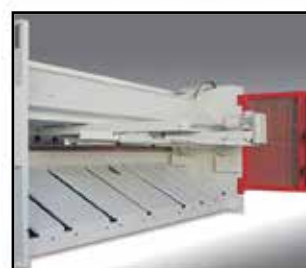
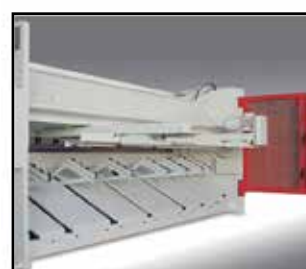
- Power blade gap adjustment with digital read out control
 - Pneumatic rear support systems for then sheets
 - Backgauge longer than standard
 - T-slotted front support arms with scale and flip-stop
 - Squaring arm and front arm longer than standard
 - Worktime counter
 - Angle gauge
 - Holddown pads
- 1000mm lift-up front finger guard with electrically interlocked safety switch
 - Throat gap deeper than standard
 - Rear safety guaring

Hydraulic swing-beam shear type MGH

Best
Quality



Pneumatic
sheet catcher
type D



Pneumatic
sheet catcher
type A



Art. no	Type	Sheet thickness	Cutting length	Cutting angle	Motor	Hold-downs	Strokes	Oil tank	Back-gage	Motor back-gauge	LXWXH	Weight
		mm	mm	°	kW	pcs	pr/min	L	mm	kw	mm	kg
23050	MGH 3100x6	6	3060	1,5	11	17	18	170	1000	0,37	3770x3100x1825	7000
23052	MGH 3100x10	10	3060	2,0	22	17	12	170	1000	0,37	3850x3275x1850	9200
23054	MGH 3100x13	13	3060	2,4	30	17	12	220	1000	0,37	3880x3485x2060	11500
23056	MGH 3100x16	16	3060	2,7	30	17	7	220	1000	0,37	3840x3550x2230	15500
23058	MGH 3100x20	20	3060	3,0	37	18	7	280	1000	0,37	3900x3540x2440	19600
23060	MGH 4100x10	10	4060	2,0	22	23	10	170	1000	0,37	4800x3375x1910	13000
23062	MGH 4100x13	13	4060	2,2	30	23	8	220	1000	0,37	4830x3375x2160	16100

Hydraulic guillotine shear type HNC

Best
Quality

Made in
EU
★★★



Servo backgauge



Automatic swing-up for longer cuts

HNC 3100x20

Hydraulic shear type HNC is a rigidly welded all steel frame construction, which gives very accurate cuts, designed with a "Variable-rake" concept. Adjustment of machine functions are done with easy-to-use digital control units. The top beam moves with high precision, and rapid blade gap adjustment ensures high efficiency scissors. HNC is additionally equipped with swing-up backgauge to cut longer pieces than backgauge can handle. The backgauge is standard with "retract-function" and ballscrews. HNC is equipped with hydraulic hold down system to sheets, hydraulic overload protection and fine adjustment of blades from lower beam. MGH is standard with 350mm side frame throat gap, allowing continuous strip slitting. Adjustable stroke length to increase number of strokes on shorter cuts. Central manual lubrication system.

Standard:

- Shear blades from tough and wear-resistant alloyed material:
 - Top blade : Two cutting edges*
 - Bottom blade : Four cutting edges*
- Digital control unit for backgauge positioning, rake adjustment, and blade gap setting
- Foot pedal control for single and repetitive cutting cycles
 - 1000 mm power backgauge with ballscrew spindles to 0.1 mm precision
- 1000 mm squaring arm with scale, T-slot and flip-stop
 - Front support arms in 1000 mm length
 - Digital stroke counter
 - Pendant arm
- Work table with filler plates, ball transfers and hand slots
- Emergency stop buttons on the pendant and on the mainframe
- Shadow line facility with fluorescent lighting • "See through"

Optional:

- Multi-function electronic control units
 - Siemens OP7 S7-200
 - Cybelec DNC 60
- Servo driven backgauge movement
- Automatic "swing-up" backgauge mechanism for shearing longer pieces than maximum backgauge length
- Pneumatic rear support systems for thin sheets
 - Anti-twist system
- Front and rear sheet conveyor and stacking systems
 - Oil cooling or heating equipment
 - Throat gap deeper than standard
- Squaring arm and front arm length other than standard
 - T-slotted front support arms with scale and flip-stop
 - Angle gauge
- 1000 mm lift-up front finger guard with electrically safety switch
 - Holddown pads
 - Rear safety guarding

Hydraulic guillotine shear type HNC

Best
Quality

Made in
EU
★ ★ ★



Cybelelec DNC 60



Siemens OP7 S7-200



Art. no	Type	Sheet thickness	Cutting length	Cutting angle	Motor	Hold-downs	Strokes	Oil tank	Back-gage	Motor back-gauge	LXWXH	Weight
		mm	mm	°	kW	antal	pr/min	L	mm	kw	mm	kg
23100	HNC 3100x6	6	3070	0,5-1,5	11	16	20-32	240	1000	0,37	3880x3190x2100	7800
23102	HNC 3100x10	10	3070	0,5-2,0	22	15	12-18	360	1000	0,37	3910x3300x2200	11000
23104	HNC 3100x13	13	3070	0,5-2,5	30	15	9-14	360	1000	0,37	3950x3385x2300	13000
23106	HNC 3100x16	16	3070	0,5-3,0	30	15	8-14	400	1000	0,55	3970x3380x2480	16500
23108	HNC 3100x20	20	3070	0,5-3,0	37	16	6-10	400	1000	0,55	4010x3620x2700	21000
23110	HNC 3100x25	25	3070	0,5-3,5	45	15	4-6	600	1000	0,55	3990x3605x3220	23000
23112	HNC 4100x6	6	4070	0,5-1,5	11	21	16-25	360	1000	0,55	4890x3450x2250	12000
23114	HNC 4100x10	10	4070	0,5-2,0	22	21	9-14	360	1000	0,55	4930x3380x2360	15000
23116	HNC 4100x13	13	4070	0,5-2,5	30	21	7-14	40	1000	0,55	4950x3645x2630	18000
23118	HNC 4100x16	16	4070	0,5-3,0	30	21	7-12	400	1000	0,55	4970x3630x2800	23500
23120	HNC 4100x20	20	4070	0,5-3,0	37	21	6-9	400	1000	0,55	5000x3630x2900	26000
23122	HNC 6100x6	6	6070	0,5-2,0	18,5	30	12-18	360	1000	0,55	6890x4130x2690	22000
23124	HNC 6100x10	10	6070	0,5-2,0	22	30	6-10	400	1000	0,55	6910x4125x2750	30000
23126	HNC 6100x13	13	6070	0,5-2,5	30	30	6-10	400	1000	0,75	6950x4200x3090	38000
23128	HNC 6100x16	16	6070	0,5-3,0	37	30	5-9	400	1000	0,75	6970x4420x3250	43000
23130	HNC 6100x20	20	6070	1,0-3,0	37	30	5-9	600	1000	0,75	6990x4280x3330	48000

Hydraulic press brake type APH

Best
Quality

Made in
EU
★★★



APH 2606x90



NC control
8822



NC control
HT 072



NC control
S 32

A solid welded construction ensures a minimum of deflection under load. Ram travel fully supported in low friction Pertinax slideways, which are easily adjustable. APH is equipped with patented hydro-mechanical system for exact parallelism and high repeatability. All machines are made with very solid torsionbar linkage for ram leveling.

Ram stroke control by precision mechanical stops built into each cylinder, and is electrically adjustable on a digital display, showing the position.

APH also has an independent position control of each cylinder, for precise angle adjustment and conical bending. APH is performed with high stroke and opening, which ensures the possibility of many different tools. The machines are equipped with pressure switch and gauge to regulate bending tonnage easily, thereby avoiding overbending due to bottoming of tools. Hydraulic overload protection.

Preset two-speed bending cycle with "rapid traverse -> slow bending -> quick return." APH are standard with 3-function footswitch and compact hydraulics with minimum maintenance. The machines are supplied exclusively with European hydraulics and electrical components.



Hydraulic press brake type APH

**Best
Quality**

Standard:

- Tool holder with wedge adjustment
- Standard tooling: Gooseneck top tools, and multi-vee bottom tools
- Front operated 1000mm ballscrew backgauge with digital read out control
- precision 0,1mm and 2 finger stops with micro-adjustable height
 - Digital stroke position display
 - Foot switch
 - Pendant control unit
- 2 laterally adjustable front support arms
- Hand screw clamps and chains to align and secure bottom die

Optional:

- Programmable (NC) control for Y-stroke and X-backgauge
- Special tooling
 - Top tools quick release clamps
 - Crowning tables (Manual or motorised)
- Special control console for two-hand and foot pedal operation
 - Side and rear guarding
 - Backgauge longer than standard



Quick release clamps



Front support arms



Tool top / bottom

Art. no	Type	Cap.	Working length	Stroke	Daylight	Gap	Dist. btw. frames	Oil tank	Speed	Rapid traverse	Motor	Weight
		kN	mm	mm	mm	mm	mm	L	mm/s	mm/s	kw	kg
23200	APH 1254x40	400	1250	210	470	410	1070	80	10	100	4	3300
23202	APH 2103x40	400	2100	140	390	410	1600	140	10	90	4	3100
23204	APH 2604x60	600	2600	170	450	410	2050	140	9	90	5,5	5680
23206	APH 2606x90	900	2600	190	465	410	2050	140	10	80	7,5	6400
23208	APH 3104x90	900	3100	190	450	410	2550	140	10	95	7,5	6650
23210	APH 3106x120	1200	3100	210	475	410	2550	140	10	100	11	8050
23212	APH 3108x160	1600	3100	230	500	410	2550	210	8	90	11	8560
23214	APH 3110x200	2000	3100	250	535	410	2550	210	8	100	15	10500
23216	APH 3112x240	2400	3100	280	560	410	2550	210	8	85	18,5	12200
23218	APH 3116x300	3000	3100	300	595	500	2550	280	9	80	22	16000
23226	APH 4106x160	1600	4100	230	490	410	3550	210	8	90	11	12500
23228	APH 4108x200	2000	4100	250	500	410	3550	210	8	100	15	14500
23230	APH 4110x240	2400	4100	280	550	410	3550	210	8	100	18,5	15000
23232	APH 4112x300	3000	4100	300	580	500	3550	280	9	80	22	18500

Hydraulic press brake type APHS Compact

Best
Quality

Made in
EU
★ ★ ★



APHS Compact 3110x200

Easy-to-use CNC system with complete bending computations and large tool library ideal for multi-bending of complex forms, as well as for volume production which require constant repeatability. Bend accuracy and repeatability at least five-fold higher than a conventional press brake. Fully synchronised Y1-Y2 axes to $\pm 0.01\text{mm}$ via proportional valves and precision linear scales. Very fast AC servo backgauge system controlled by CNC. Euro-style top clamps with intermediaries and (available) quick-release clamping. Top tool is sectionalised gooseneck punch and bottom tool is sectionalised 4-V die. High stroke and daylight values. Extra deep (410 / 500 mm) throat gap. Two front arms on linear rail and dual footswitch console with emergency stop. Swiveling pendant arm and side / rear safety gates (electrically interlocked and/or light or laser guarded). Compactly-wired PLC electrics in ventilated cabinet. Type APHS Compact are constructed with rigidly welded, monoblock machine frame for minimum deflection under load. Ram travel fully supported in low friction slideways. Options for tooling and crowning.



Quick release Clamping



Motorised crowning



Tools



Manual crowning



Laser protection

Hydraulic press brake type APHS Compact

Best
Quality



CNC operating features

- Controller type : Baykal EC4, 4-axis numerical CNC
- Controllable machine axes : Y1 - Y2 cylinder axes, 2 backgauge axes, Crowning axis
- Automatic identification of the best bend sequence numerically with collision detection
- 2D graphic editor for tool data entry
- Programming of the axis positions with automatic checks; automatic calculation of the R-axis position, bending tonnage and crowning
- High memory capacity for program steps and tooling data, capacity for 7000 programs and 80-steps in each program, high product number and 99 repeats of each program step
- FREE 2D graphical programming software to work off-line to create graphical bending files which can be transferred to the controller by USB flash disc

Product programming with direct angle input or in absolute dimensions. For each CNC program, the programmable and/or computed functions include : bending length/thickness, material selection, tooling selection, bend method, mute position, pinching point, press force/speed, incremental travel and retraction of backgauge, dwell time, delay time for axes repositioning, decompression speed, tilt adjustment, correction on Y and X axes.

- Manual operation of backgauge axes
- 16 selectable languages
- Memory storage on USB flash disk: information for tooling and programs

Backgauge:

(A) X-axes backgauge:

- Travel on ballscrew
- AC-servo driven
- With 2 micrometric finger-stops which have height and lateral adjustment
- Range : 1000 mm
- Speed : 330 mm/s
- Positioning precision : ± 0.03 mm



X-axis backgauge



X+R-axes backgauge

(B) X-R axes backgauge:

- Travel on ballscrew
- AC-servo driven
- With 2 micrometric finger-stops which have lateral adjustment
- **Range**
X-axis : 1000 mm
R-axis : 160 mm
- **Travel speed (max)**
X-axis : 350 mm/s
R-axis : 240 mm/s
- **Positioning precision**
X-axis : ± 0.03 mm
R-axis : ± 0.05 mm



X-axis backgauge



X+R-axes backgauge

Hydraulic press brake type APHS Compact

Best
Quality

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EU
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Motorised crowning



Support arms in front



EC4 CNC
Offline programming



S 540
2D Graphic CNC



ESA S550
3D Windows



ESA S550-550
2D Windows



ESA S540
2D Windows

Art. no	Type	Cap.	Working length	Stroke	Daylight	Gap	Dist. btw. frames	Oil tank	Speed	Rapid traverse	Motor	Weight
		kN	mm	mm	mm	mm	mm	L	mm/s	mm/s	kw	kg
23300	APHS-C 1254x40	400	1250	215	455	410	1070	80	10	160	4	3300
23302	APHS-C 2104x60	600	2100	210	475	410	1600	140	10	150	5,5	5400
23304	APHS-C 2604x60	600	2600	210	475	410	2050	140	10	160	5,5	6200
23306	APHS-C 2606x90	900	2600	260	530	410	2050	140	10	150	7,5	7100
23308	APHS-C 3104x90	900	3100	260	530	410	2550	140	10	160	7,5	7900
23310	APHS-C 3106x120	1200	3100	260	530	410	2550	140	10	160	11	8400
23312	APHS-C 3108x160	1600	3100	260	530	410	2550	210	10	160	15	9700
23314	APHS-C 3110x200	2000	3100	260	530	410	2550	210	10	150	18,5	10000
23316	APHS-C 3112x240	2400	3100	260	530	410	2550	210	10	130	22	11000
23318	APHS-C 3116x300	3000	3100	320	660	500	2550	280	8	110	22	15000
23330	APHS-C 4106x160	1600	4100	260	530	410	3550	210	10	170	15	12000
23332	APHS-C 4108x200	2000	4100	260	530	410	3550	210	10	160	18,5	12500
23334	APHS-C 4110x240	2400	4100	260	530	410	3550	210	10	150	22	14000
23336	APHS-C 4112x300	3000	4100	320	635	500	3550	280	0	120	22	18500

Hydraulic press brake type APHS

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Quality

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APHS 31120

Rigidly welded, monoblock steel frame construction for minimum deflection under load. Downstroking bending beam with two cylinders made from high-quality forged steel and precisely honed for best precision. Ram travel fully supported in low friction fiberslideways and full electronic synchronisation with proportional valve technology assuring maximum bend accuracy and repeatability through constant monitoring and correction of beam parallelism by CNC system. Stroke-depth measurement through highprecision linear scales CNC-controlled backgauge on ballscrew spindles with DC drive. Block-type European hydraulics and compactly-wired electrical box with ventilation. Full conformity with EU Machinery Directive for safety and certified CE marking



Hydraulic press brake type APHS

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Quality

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(A) Backgauge system with X-axes:

- Travel on ballscrew spindles
- DC-motor driven
- Two micrometric stop-fingers with height and lateral adjustment
- Range : 1000 mm
- Travel speed (max) : 330 mm/s
- Positioning precision : ± 0.03 mm

(B) Backgauge system with X-R axes:

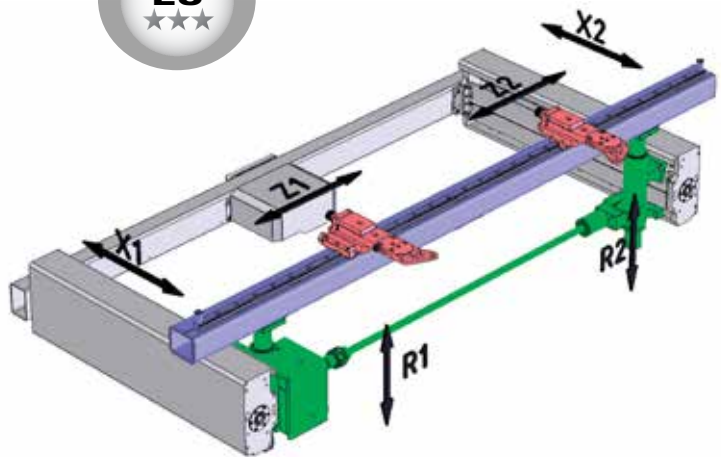
- Travel on ballscrew spindles
- DC-motor driven
- Two micrometric stop-fingers with lateral adjustment
- *Range:*
X-axis : 1000 mm
R-axis : 160 mm
- *Travel speed (max)*
X-axis : 350 mm/s
R-axis : 240 mm/s
- *Positioning precision*
X-axis : ± 0.03 mm
R-axis : ± 0.05 mm

(C) Backgauge system with X-R-Z1-Z2 axes:

- Travel on ballscrew spindles
- DC-motor driven
- Two micrometric stop-fingers with lateral adjustment
- *Range*
X-axis : 1000 mm
R-axis : 160 mm
Z-axis : Variable
- *Travel speed (max)*
X-axis : 350 mm/s
R-axis : 240 mm/s
Z-axis : 1000 mm/s
- *Positioning precision*
X-axis : ± 0.03 mm
R-axis : ± 0.05 mm
Z-axis : ± 0.05 mm

(D) Additional backgauge axes for special applications:

- X1 - X2
- R1 - R2
- Z1 - Z2



Examples of backgauges

Standard:

- European-style top tool holders with wedges
- Sectioned (gooseneck) punch and multi-vee die block (all tooling precisely ground)
- Operation console with double foot-switch
 - Linear front-arm guides
- Electrically-interlocked side and rear guards

Optional:

- Manual or power-driven (CNC) crowning tables
 - Top tool manual quick-release clamps
 - Hydraulic tool clamping systems
- Special tooling for customer applications:
 - Special-profile top and bottom tools
 - Single-vee dies with table adapters
- Front light guards or front laser protection for enhanced safety

CNC unit

Graphical control with full programming and machine control facilities in a user-friendly computer environment. Main features include:

Programmable multi-axis control.

- Y1-Y2 cylinder axes
- X1-X2-R1-R2-Z1-Z2 backgauge axes
- CNC crowning axis
- Modular expansion for additional axes
- High memory capacity for program steps and tooling data
 - High number of product and bend repeat possibility
- Direct graphical programming with automatic computation of all axis positions and bend sequence in full graphic simulation
 - Manual operation of all axes
 - Teach-in on all axes
- Operator selectable languages
- Integrated diagnostic software
- Memory storage on USB flashdisk

Hydraulic press brake type APHS

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Delem DA-56
2D Windows



Delem DA-66T
3D Windows



Delem DA-69T
3D Windows



Cybelec DNC 880
2D Windows



ModEva 10
2D Windows



ModEva 12
3D Windows



ModEva RA
3D Windows

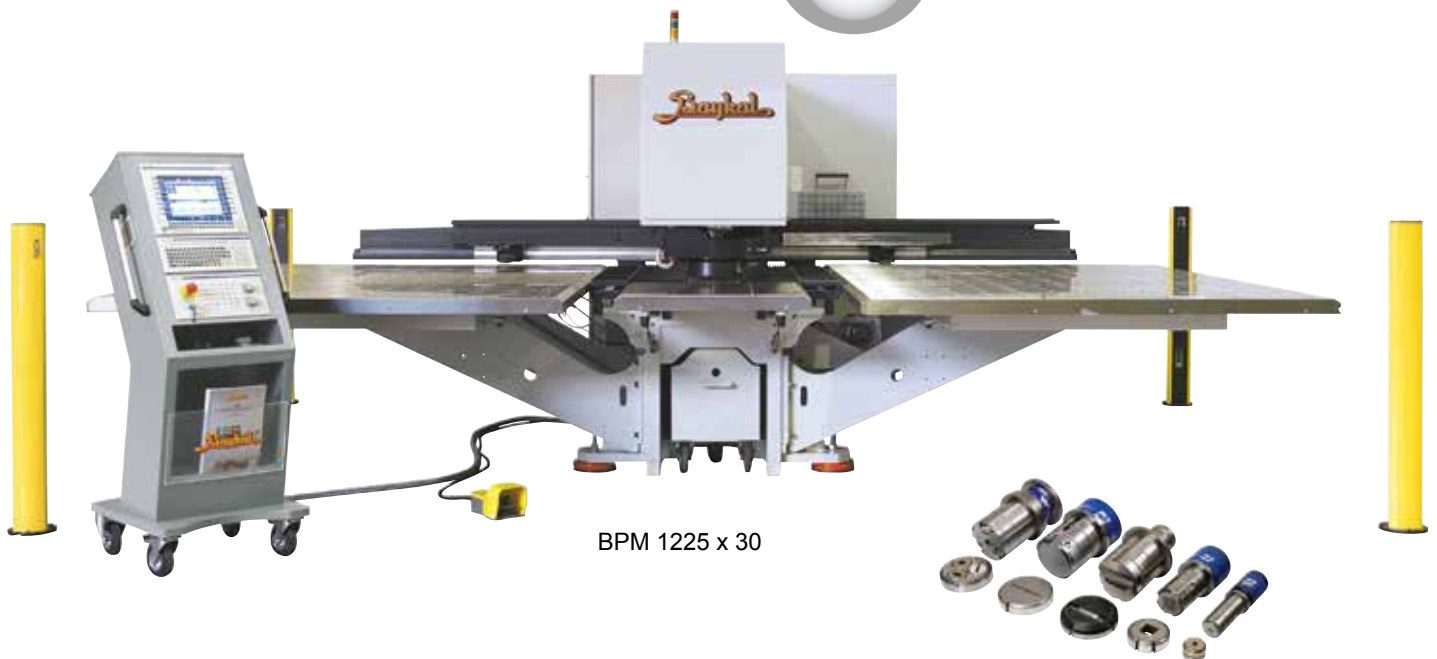
Art. no	Type	Cap.	Working length	Stroke	Daylight	Gap	Dist. btw. frames	Oil tank	Speed	Rapid traverse	Motor	Weight
		kN	mm	mm	mm	mm	mm	L	mm/s	mm/s	kw	kg
23450	APHS 1254x40	400	1250	215	455	410	1070	80	10	160	4	3300
23452	APHS 2104x60	600	2100	210	475	410	1600	140	10	150	5,5	5400
23454	APHS 2604x60	600	2600	210	475	410	2050	140	10	160	5,5	6200
23456	APHS 2606x90	900	2600	260	530	410	2050	140	10	150	7,5	7100
23458	APHS 3104x90	900	3100	260	530	410	2550	140	10	160	7,5	7900
23460	APHS 3106x120	1200	3100	260	530	410	2550	140	10	160	11	8400
23462	APHS 3108x160	1600	3100	260	530	410	2550	210	10	160	15	9700
23464	APHS 3110x200	2000	3100	260	530	410	2550	210	10	150	18,5	10000
23466	APHS 3112x240	2400	3100	260	530	410	2550	210	10	130	22	11000
23468	APHS 3116x300	3000	3100	320	660	500	2550	280	8	110	22	15000
23470	APHS 3120x440	4400	3100	320	575	500	2550	450	8	80	30	22000
23482	APHS 4106x160	1600	4100	260	530	410	3550	210	10	170	15	12000
23484	APHS 4108x200	2000	4100	260	530	410	3550	210	10	160	18,5	12500
23486	APHS 4110x240	2400	4100	260	530	410	3550	210	108	150	22	14000
23488	APHS 4112x300	3000	4100	320	635	500	3550	280	8	120	22	18500
23490	APHS 4116x440	4400	4100	320	590	500	3550	450	10	80	30	26000
23492	APHS 6104x160	1600	6100	260	510	500	5100	240	10	140	15	20000
23494	APHS 6106x240	2400	6100	260	5100	500	5100	300	8	140	22	25000
23496	APHS 6108x300	3000	6100	320	560	500	5100	300	8	120	22	30000
23498	APHS 6110x380	3800	6100	320	570	500	5100	450	8	90	30	35000

Bigger models are also available

CNC punching machine type BPM

Best
Quality

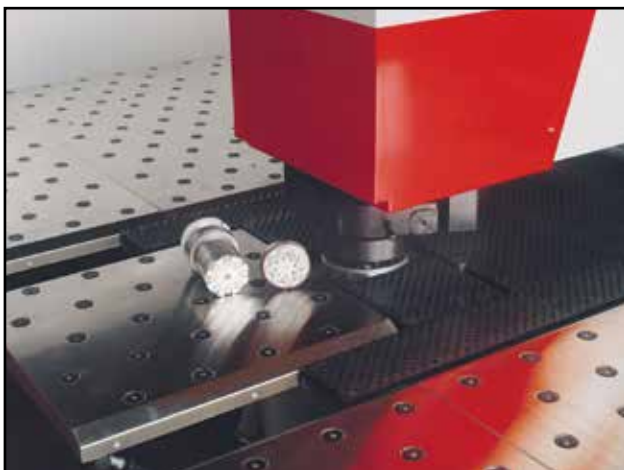
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BPM 1225 x 30

CNC punching machine type BPM are constructed with a C type frame, strength-tested and analysed in finite element analysis (FEA). Welded frame and components are normalised by heat treatment. Hydraulic punching head with indexable multi tool system that gives 360° rotation possibility in increments of 0.001°, which eliminates setting time and tooling costs. High capacity AC servo drive motors on all axes providing increased travel speeds. Communication between CNC and axis motors is maintained through fiber optic sercos bus line resulting 16Mb data transfer rate and 1 ms cycle time. Possibility to use forming tools.

Indexable 8 station (Max. Tool Diameter 12,7 mm) and 3 station (Max. Tool Diameter: 31,7 mm) multitools can be used in Baykal Punch Press. All the tools used in this multitools can work in any angle.



CNC punching machine type BPM

Best
Quality

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Standard:

- One D size indexable multi tool (3 or 8 stations)
- High capacity CNC unit with 12" touchscreen
- Offline programming software including automatic nesting
 - Portable operator panel
 - Quick tool change
- Two hydraulic sheet clamps
- Table with ball transfers and brush
 - Cooler for hydraulics
 - Waste box
 - Warning lamps
 - Light barriers

Optional:

- Spare indexable multi tool station
 - Spare tools
 - Coated tools
- Reductions for C, B, A stations
 - Additional sheet clamp
- Additional key for programming software



Technical data		BPM 1225 x 30
Art. No.		24700
Capacity	kN	300
Working range	mm	2540 x 1270
Z axis stroke	mm	30
Punching capacity Ø	mm	88,9
Sheet thickness	mm	6,4
Workpiece weight	kg	170
Speed X-axis	m/min	90
Speed Y-axis	m/min	60
Speed combined	m/min	108
Punching rate	punch/min	600
Positioning accuracy	mm	+ / - 0,1
Repeatability	mm	+ / - 0,04
Indexable multitool station	°	360
Tool station type		D
Sheet clamps	No.	2
Control unit		BOSCH btv16
Hard drive	GB	40
Oil tank	L	320
Motor	kw	11
L X W X h	mm	4950 x 4220 x 2020
Weight	kg	12700



CNC punching machine type BPM-T

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BPM-T 1225 x 30

BAYKAL Turret Punch Press Machine is capable of working large sheet metals with fast axes speed and stroke frequency. It is used high level mechanic and electronic automation equipments in its construction. Machine keeps its compact structure with all its specialties and equipment. • O type frame, strength-tested and analysed in finite element analysis (FEA), and normalised welded frame and components. Hydraulic punching head with indexable multi tool system that gives 360° rotation possibility in increments of 0.001°. Communication between CNC and axis motors is maintained through Sercos III Ethernet cable. High speed and precision with direct-drive index axis. Low energy consumption by the usage of variable flow pumps. Automatic tool lubrication. Possibility to use forming tools

Standard:

- 20 tool stations in total
- 4 indexable D stations with possibility to use multitools
 - 2 fixed D stations
 - 2 fixed C stations
 - 12 fixed B stations
- Moving table with ball transfers and brush
- 3 pieces of pneumatically operated sheet clamps
 - Work chute with mobile storage box
 - Waste box
- Offline programming software including automatic nesting
 - Portable operator panel
 - High capacity CNC unit with 12" TFT LCD screen
 - Cooler for hydraulics
 - Warning lamps
 - Light barriers

Optional:

- Up to 10 indexable D stations
 - 3 or 8 station multitools
 - Single tools
 - Forming tools
 - Coated tools
- Reductions for C, B, A stations
 - Vacuuming
 - Scrap conveyor
 - Work chute conveyor
- Additional key for programming software

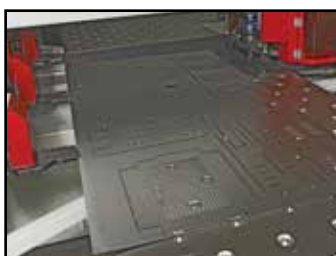
CNC punching machine type BPM-T

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Technical data		BPM-T 1225 x 30
Art. No.		24750
Punching force	kN	300
Tool rotation		Indexable
Tool stations	No	20
Multitool holder (opt)	antal	4 (10)
Tool changing time	sek	0,3
Changing time turret	sek	3
Axes		X, Y, Z, C1, C2, T
Punching capacity Ø	mm	88,9
Repositioning		yes
Tool monitoring		yes
Working range X-Y	mm	2540 x 1270
Z-axis stroke	mm	30
Speed X-axis	m/min	100
Speed y-axis	m/min	80
Speed combined	m/min	128
Speed C1 + C2	RpM	300
Speed T	RpM	20
Punching rate	punch/min	900
Sheet thickness	mm	6,4
positioning accuracy	mm	+ / - 0,1
Repeatability	mm	+ / - 0,04
Sheet clamps	No	3
Control unit		BOSCH mtx
Hard drive	GB	40
Oil tank	L	320
Motor	kw	11
L X W X h	mm	5870 x 5210 x 2220
Weight	kg	14000



CO2 laser type BLS-V

Best
Quality

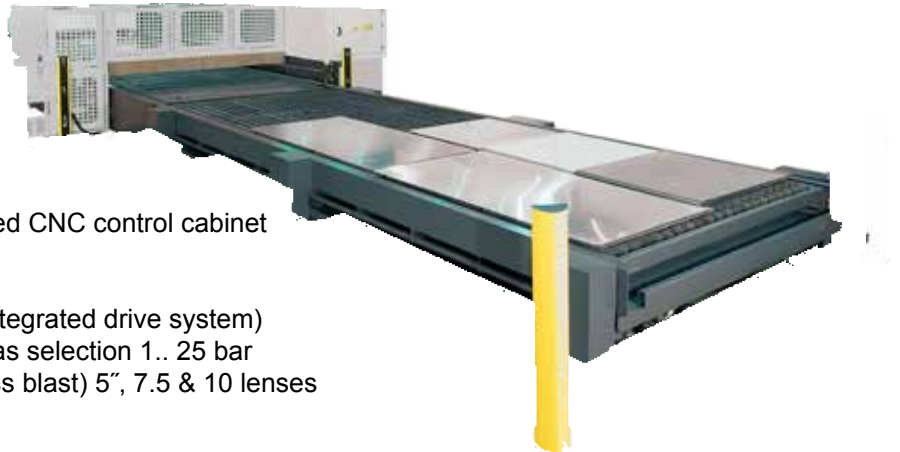


BLS-V 6020

The rigid machine frame provides a solid base for stable beam delivery optics and the high-speed gantry drive system. This design guarantees highest acceleration and deceleration rates without any mechanical vibration. BLS uses the latest linear drive technology and high laser power providing wide-range cutting capabilities, high flexibility and ease of use. While cutting thin materials at high speeds of up to 20 meters/min, it gives reasonable results in thick material up to 25 mm mild steel with consistently high quality surface finishes. A high pressure cutting head accepts a 5", 7.5" or 10" cutting lens. A safety system protects the cutting head from collision with the workpiece. BLS also provides sliding type doors in two sides for quick and easy access to the cutting area.

Standard:

- Gantry Linear Motion System
- Siemens 840D CNC
- Dual circuit water chiller
- Fiber optic beam delivery system.
- Windows XP operating system
- Ergonomic machine separated, free positioned CNC control cabinet
- 15" TFT colour monitor
- 10 MB Program data storage
- Transfer tables (dual palette) Hydraulic lift (integrated drive system)
- Programmable high pressure air / nitrogen gas selection 1.. 25 bar
- Advanced Precitec cutting head (with air cross blast) 5", 7.5 & 10 lenses
- Auto nozzle cleaning and calibration
- Standard fume extraction system
- Parts debris conveyor
- Lantek Nesting system
- In built safety systems (light guards & full enclosure as standard)
- CE Compliance



Uniqueness:

- Ease of processing both large and small size formats
- High speed water cooled linear motors
- No repositioning of plate ensure accuracy
- Fiber optic laser beam delivery system
- Simple operator interface and cutting database
- Dual pallets
- Superior accessibility to work areas
- Hand-held pendant for remote access to setup, adjustment and management of waste skeletons



CO2 laser type BLS-V

Best
Quality

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Table size	X= 3000-12000mm Y= 1500-3200mm Z= 120mm
Positioning speed	200 m/min / 280m/min
Acceleration	3G
Positioning accuracy	+/- 0,08mm
Axes repeatability	+/- 0,03mm
Cutting heads	7,5" & 10" lenses
Processor	2Ghz
RAM	2Gb
Network connection	RJ45 10/100mbit
Disc	160Gb
Control unit	Siemens 840D HMI



Capacity	Steel	Stainless	Alu
Power source	mm	mm	mm
3300 watt	16	10	6
4000 watt	20	15	10
5000 watt	22	18	12
6000 watt	25	25	15



Art. no.	Type	Width	Length	Height	Cutting width	Cutting length
		mm	mm	mm	mm	mm
24000	BLS-V 3015	7400	11500	2150	1500	3000
24002	BLS-V 4020	7900	13750	2150	2000	4000
24004	BLS-V 6020	7900	17750	2150	2000	6000
24006	BLS-V 8020	7900	21750	2150	2000	8000
24008	BLS-V 10020	7900	25750	2150	2000	10000
24010	BLS-V 12020	7900	29750	2150	2000	12000
24012	BLS-V 4030	8900	13750	2150	3000	4000
24014	BLS-V 6030	8900	17750	2150	3000	6000
24016	BLS-V 8030	8900	21750	2150	3000	8000
24018	BLS-V 10030	8900	25750	2150	3000	10000
24020	BLS-V 12030	8900	29750	2150	3000	12000

Fiber laser type BLS-NEO

Best
Quality

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BLS-NEO fiber laser cutting machine uses two-dimensional drawings over the flat plate by moving the focused infrared light along the programmed pathways to cut. The system moves the laser light with fiber optic cable to the focuser cutting head, which moves on the fixed sheet metal. The cutting process occurs by melting the material in the area, where high-power laser light focused in very small diameters allows this to occur. Different gases are used to eject melted material from the surface of plate, according to type of materials. These gases exit from the nozzle, where the laser light exists and control the quality of process.

BLS-NEO fiber laser cutting offers the best solution to the user for cutting quality, precision, high cutting speed and low cost in cutting of fine material. It is possible to obtain these features at all high cutting speeds. BLS-NEO makes it possible to cut big or special size plates and offers competitive performances against similar fiber laser cutting machines in the industry.

- *Precise and ease of processing both large and small size formats.*
- *High speed and high precision servo motion system.*
- *No repositioning of plate ensures optimum accuracy.*
- *Fiber optic laser delivery system.*
- *Simple operator interface and cutting database.*
- *CNC controlled hydraulic lift-up dual shuttle table.*
- *Easy accessible remote diagnostic functions.*
- *Long lens life because of lens protection.*

Benefits with BLS-NEO Fiber laser

- *low investment and operating costs.*
- *The most cost-efficient solution for every requirement.*
- *Very easy to operate.*
- *Quick and easy installation.*
- *Fast loading and unloading.*
- *Optional flexible shuttle table sizes.*
- *High-position control.*
- *Continuous cutting with moving shuttle table.*



Fiber laser type BLS-NEO

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Quality

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Cost-efficient manufacturing:

BLS-NEO can be used with perfect precision that is provided by rack and pinion movement and also operate with a greater speed as compared to CO2 lasers. In addition, this laser technology offers low costs compared to a CO2 laser which is brought about by fiber technology.

Maximum productivity – High acceleration:

BLS-NEO fiber laser cutting machine was designed as a bridge type, which is driven from both sides. Machine body, rigid and supply voltage are taken and offers high cutting accuracy and repeatability due to the very precision processed structure. Besides extraordinary robustness, it provides vibration-free cutting due to the supply rigidity, which was created by using innovative concepts and designed as one piece. High acceleration offers more precision while processing especially small diameter holes and sharp corners at high speeds.

Automatic nozzle cleaning:

BLS-NEO carries out this process automatically according to the number of holes produced, which are determined by the CNC controlled nozzle cleaning and calibration feature. In this way, molten material that adheres to the nozzle end can be cleaned and thus cutting height of nozzle to the sheet plate can be kept constant. This directly affects the quality of cutting.

User-friendly and reliable controller:

The multi-touch panel series from Beckhoff offers the greatest possible flexibility. The Beckhoff multi-touch panels with projective capacitive touch screen (PCT) technology feature a high touch-point density, which enables accurate, safe and jerk-free operation even in minute steps. The front of the display is a glass pane with an anti-reflection coating; operation with thin work gloves (e.g. latex gloves) is also possible. Five-finger touch and automation solutions with 2-hand operation are equally possible. Familiar functions from the world of smartphones and touch-pads, such as zooming, scrolling, object turning, flicks etc. are now also usable for industrial applications with the multi-touch devices. Single-touch mode can be set via the windows operating system for applications where multi-touch is not required.

Type	Width	Length	Height	Cutting width	Cutting length
	mm	mm	mm	mm	mm
BLS-NEO 3015	6550	10500	2250	1500	3000
BLS-NEO 4020	7050	12500	2250	2000	4000
BLS-NEO 6020	7050	16500	2250	2000	6000
BLS-NEO 4030	8050	12500	2250	3000	4000
BLS-NEO 6030	8050	16500	2250	3000	6000
BLS-NEO 8030	8050	20500	2250	3000	8000

Capacity	Steel	Stainless	Alu	Copper	Brass
Power source	mm	mm	mm	mm	mm
1000 watt	12	4	3	2	1
2000 watt	15	8	6	3	3
3000 watt	18	10	8	4	4
4000 watt	20	12	10	6	4
6000 watt	25	15	15	8	8

Fiber laser type BLS-F

Best
Quality

Made in
EU
★★★



BLS-F 3015

BLS-F Fiber laser cutting machine offers you the highest quality parts in thin sheet metal range with the best part precision and the highest efficiency. It takes full advantage of the high cutting speed of the energy efficient solid state fiber laser. It cut thin stainless steel and aluminum as well as nonferrous metal such as copper, brass with a reliable quality. It also cuts mild steel sheets up to 16 mm in a acceptable feed rates and dross-free quality. This machine is a perfect solution for the job shop production and for the suppliers which already have CO2 cutting system as a complementary and cost-efficient one. There are no optics such as mirrors inside laser source and in the machine to carry laser beam. Therefore, costs associated with mirrors and downtime for alignment of optics have been eliminated. Solid-state technology does not require laser gas to generate the laser beam thereby reducing environmentally harmful emissions. Very little time is wasted in movement or in ramping up to the cutting speed required for a particular part. With all three axes driven by linear drives. 3-axis linear drive system also ensures superior accuracy and positioning. In addition, the wear of components typically associated with ball-screw or rack and pinion systems has been eliminated.

Unique Features

- Ease of processing both large and small size formats.
- High speed water cooled linear motors.
- No repositioning of plate ensure accuracy.
- Fiber optic laser beam delivery system.
- Simple operator interface and cutting database.
- Dual pallets.
- Superior accessibility to work areas.
- Hand-held pendant for remote access to setup, adjustment and management of waste skeletons.
- Tactile height following for non conductive materials.



Fiber laser type BLS-F

**Best
Quality**

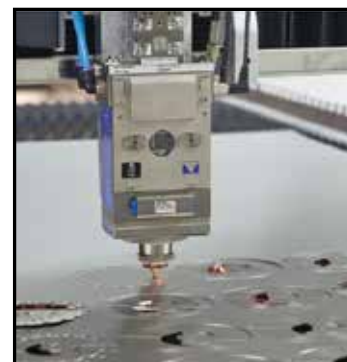
**Made in
EU**
★★★

Positioning speed	200 m/min / 280m/min
Acceleration	3G
Axes repeatability	+/- 0,08mm
Positioning accuracy	+/- 0,03mm
Processor	2Ghz
RAM	2Gb
Network	RJ45 10/100mbit
Disc	160Gb
Control unit	Siemens 840D HMI



- Gantry Linear Motion System
- Siemens 840D CNC
- 2000 watt laser
- Dual circuit water chiller
- Fiber optic beam delivery system.
- Windows XP operating system
- Ergonomic machine separated, free positioned CNC control cabinet
- 15" TFT colour monitor
- 6 MB Program data storage
- Transfer tables (dual palette) Hydraulic lift (integrated drive system)
- Programmable high pressure air / nitrogen gas selection 1.25 bar
- Advanced Precitec cutting head (with air cross blast) 5" & 7.5 lenses
- Auto nozzle cleaning and calibration
- Standard fume extraction system
- Parts debris conveyor
- Lantek Nesting system
- In built safety systems (light guards & full enclosure as standard)
- CE Compliance

Art. nr.	Type	Watt	Cutting width	Cutting length
			mm	mm
24050	BLS-F 3015	2000	1500	3000
24052	BLS-F 3015	3000	1500	3000
24054	BLS-F 3015	4000	1500	3000
24056	BLS-F 4020	2000	2000	4000
24058	BLS-F 4020	3000	2000	4000
24060	BLS-F 4020	4000	2000	4000
24062	BLS-F 6020	2000	2000	6000
24064	BLS-F 6020	3000	2000	6000
24066	BLS-F 6020	4000	2000	6000



Capacity	Steel	Stainless	Alu
Power source	mm	mm	mm
1000 watt	8	4	3
2000 watt	15	8	6
3000 watt	18	10	8
4000 watt	20	12	10

CNC plasma cutter type BPH Compact

Best
Quality

Made in
EU
★ ★ ★



BPH compact 1503



The tough little machine for ducting and light cutting. A high rail machine ideal for HVAC ducting work and other light sheet work but built with extra strength and precision so it can be upgraded to high definition plasma cutting for material up to 40 mm.

Simple operation - The Baykal compact is fitted with a very simple control so that new or occasional users can be trained in minutes. Type BPH are offered with a range of programming tools from Lantek, the most complicated sheet-metal developments of ducting components hoods etc. can be produced in seconds and downloaded to the machine for immediate cutting or combined.

BPH featuring a fully machined gantry and base with linear bearings on both longitudinal rails this machine is built to work hard and long. Because of its unitary design there is no need for a complicated installation and if necessary the machine can be readily moved around the workshop to suit changing workloads.

Type	Width	Length	Height	Table height	X-axis	Y-axis	Weight
	mm	mm	mm	mm	mm	mm	kg
BPH compact 1503	2140	4450	1750	750	3110	1600	2200

CNC plasma cutter type BPS

Best
Quality

Made in
EU
★★★



This plasma cutter is the “flagship” in plasma cutting, when talking about quality and precision. type BPS can be configured in a variety of solutions, of one or more oxygen-heads or with a combination of both plasma and oxygen-head. The table on the machines will be delivered to the specific task depending on the sheet thicknesses.

This machine are delivered with Hypertherm power sources, all of which can be supplied with their “true hole” technology. Therefore it will always be possible to achieve the maximum roundness at surfaces and precision, when cutting holes and smaller contours.

True Hole Technology



Hypertherms patent-pending True Hole technology guarantees significantly better hole quality



Without True Hole

With True Hole

CNC plasma cutter type BPS

Best
Quality

Operating features:

- High precision plasma cutting technology
- High mechanical accuracy to: ± 0.1 mm
- Axis positioning speed: 30 m/min
- X and Y axis travel on precision linear rail guides
- Torch-height travel with ballscrews on dual linear guides
- Fast and accurate positioning with
- AC brushless servo motors:
 - Y-axis: dual synchronised servo drives
 - X-axis: single servo drive
- Cutting table independently constructed of bridge and machine frame to maintain positional accuracy under any table-load
- Patented crash protection on torch®
- Automatic torch height control
- Sectional cutting table with automatic fume extraction system
- Windows® based CNC unit
- Automatic nesting software
- Remote control option on large tables
- Optional dust and fume collector devices conforming to safety regulations
- Additional plasma or oxygen torch option



Type	Width	Length	Height	Table height	X axis	Y axis	Weight
	mm	mm	mm	mm	mm	mm	kg
BPS1503	3000	5200	1800	750	1700	3200	2800
BPS 2004	3500	6200	1800	750	2200	4200	3500
BPS 2006	3500	8200	1800	750	2200	6200	4100
BPS 2504	4000	6200	1800	750	2700	4200	4050
BPS 2506	4000	8200	1800	750	2700	6200	4750
BPS 3006	4500	8200	1800	750	3200	6200	5400
BPS 3009	4500	11200	1800	750	3200	9200	7100
BPS 3012	4500	14200	1800	750	3200	12200	8700
BPS 3014	4500	16200	1800	750	3200	14200	9500

CNC plasma cutter type BPL-H

Best
Quality



BPL-H

This plasma cutter is ideal for larger productions in plasma cutting, because it is possible to mount multiple plasma cutting heads combined with oxygen cutting heads. Up to 4 plasma cutting heads or up to 8 oxygen cutting heads. (Max 8 Cutting heads total)

Material thickness up to 300mm. and material length up to 60 meters.

This machine comes with Hypertherm power sources, all of which are available with their "true hole" technology - To achieve maximum roundness and precision in holes and minor contours.

Baykal also offers a "3D" plasma cutting head for cutting the surface area, ie. to bevel cutting / sharpening of the workpieces.

Also available is a tube cut device with the machine.

As an option for this machine, are a "water table" so you can cool the materials and then cut under water, besides cooling, this also avoids smoke.



CNC plasma cutter type BPL-H

Best
Quality

Made in
EU
★★★

Design and operating features

- Availability of multi torch applications.
- Suitable for Oxy-fuel cutting up to 300 mm
- Best combination of Precision and very thick process machine.
- High precision plasma cutting technology
- High mechanical accuracy to: ± 0.1 mm
- Axis positioning speed: 30 m/min
- X and Y axis travel on precision linear rail guides
- Torch-height travel with ballscrews on dual linear guides
- Fast and accurate positioning with AC brushless servo motors:
 - Y-axis: dual synchronised servo drives
 - X-axis: single servo drive
- Cutting table independently constructed of bridge and machine frame to maintain positional accuracy under any table-load
- Patented crash protection on torch®
- Automatic torch height control
- Sectional cutting table with automatic fume extraction system
- Windows® based CNC unit
- Automatic nesting software
- Optional dust and fume collector devices conforming to safety regulations

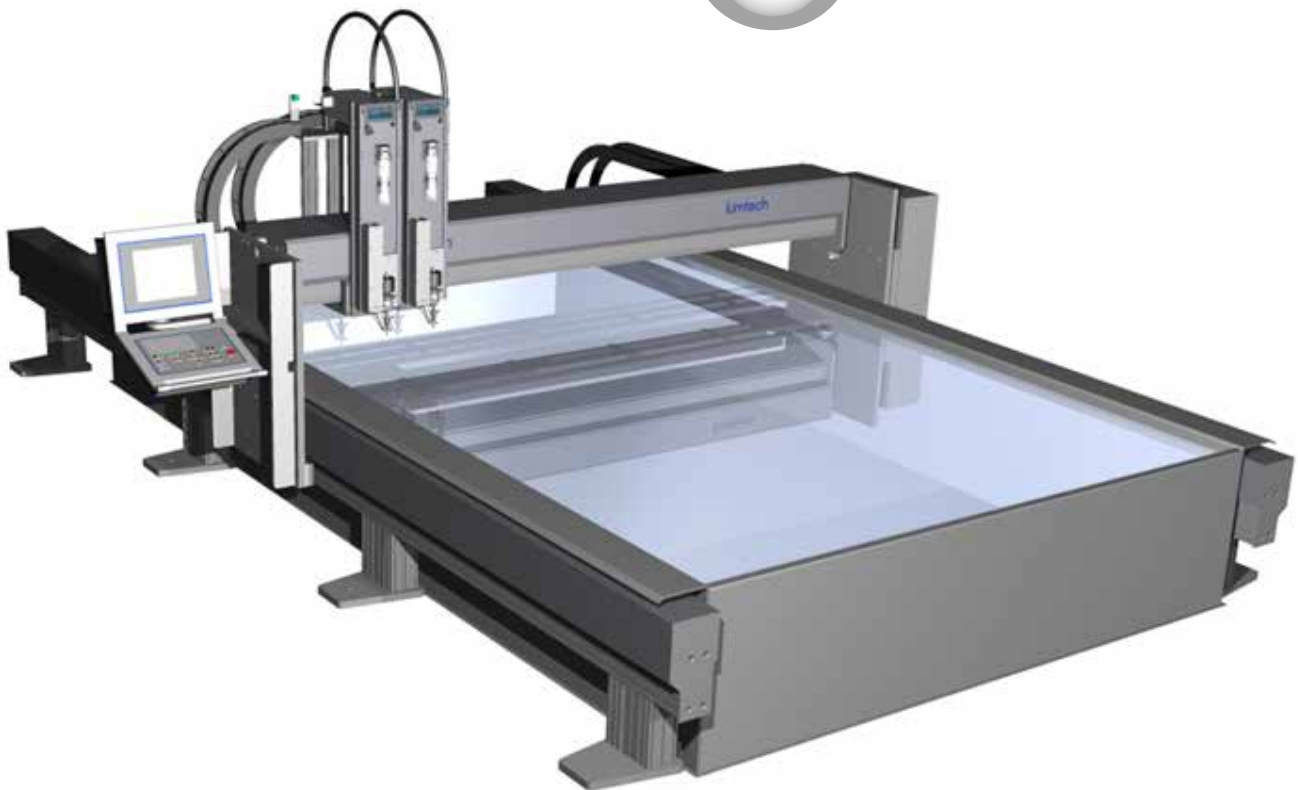


Type	Width	Length	Height	Table height	X-axis	Y-axis	Weight
	mm	mm	mm	mm	mm	mm	kg
BPL-H 3006	5200	8000	1900	750	3200	6400	4100
BPL-H 3008	5200	10000	1900	750	3200	8400	5600
BPL-H 3010	5200	12000	1900	750	3200	10400	6300
BPL-H 3012	5200	14000	1900	750	3200	12400	7050
BPL-H 3014	5200	16000	1900	750	3200	14400	7800
BPL-H 3016	5200	18000	1900	750	3200	16400	9100
BPL-H 3018	5200	20000	1900	750	3200	18400	9850
BPL-H 4006	6200	8000	1900	750	4200	6400	5900
BPL-H 4008	6200	10000	1900	750	4200	8400	8200
BPL-H 4010	6200	12000	1900	750	4200	10400	9300
BPL-H 4012	6200	14000	1900	750	4200	12400	10450
BPL-H 4014	6200	16000	1900	750	4200	14400	11600
BPL-H 4016	6200	18000	1900	750	4200	16400	13700
BPL-H 4018	6200	20000	1900	750	4200	18400	14850

Kimtech waterjet cutting machines

Best
Quality

Made in
EU
★ ★ ★



Kimtech's waterjet machines are developed and manufactured in Sweden. They are precision CNC-controlled machines using cutting edge technology to deliver an easy to operate, reliable cutting solution. The cut from abrasive waterjet cutting has a tolerance from 0.1 mm to 0.5 mm, depending on the thickness of the plate. The advanced software control of the machine delivers very high position accuracy, <0.10 mm. Kimtech works throughout Scandinavia and Europe. To ensure a high quality of expert support and service, Kimtech has several co-operation partners including LB-service, Indutech, NK-Service and Arvór System. Kimtech has delivered waterjet cutting machines from 0.5x1m up to 4x20m. All machines uses a range of techniques for linear movement including precision ball screws, linear motors and rack & pinion drive. The most suitable technique depends on the customer's request for acceleration, speed and accuracy.

Kimtech has three standard machines that cover most applications but we also regularly build fully customized special machines.

Standard machines

XY-SMALL	3100x1600	Art.No: 24640
XY-MEDIUM	2100x4200	Art.No: 24641
XY-LARGE	3100x6300	Art.No: 24642

Special machines:

XY-MINI	1x0,5 meter	Art.No: 26645
XY-X LARGE	4x14 meter	Art.No: 26646
XY-WIDE	6x2 meter	Art.No: 26647

Kimtech waterjet cutting machines

Best
Quality

Made in
EU
★★★



Specifications XY-SMALL

- Suited for 2x1m plates
- Optional automatic altitude control
- Operating system specially adapted to water cutting
- Machine Building in stainless steel and aluminum
- Ergonomic control panel
- Ball screw on all axes
- Water container in stainless steel

Specifications XY-MEDIUM

- Suited for 3x1,5 and 2x1m plates
- Possibility of 2 beams
- Optional automatic altitude control
- Operating system specially adapted to water cutting
- Machine Building in stainless steel and aluminum
- Ergonomic control panel
- Ball screw on all axes
- Water container in stainless steel



Specifications XY-LARGE

- Suited for 6x2 and 3x1,5m plates
- Possibility of 2-4 beams
- Optional automatic altitude control
- Operating system specially adapted to water cutting
- Machine Building in stainless steel and aluminum
- Ergonomic control panel - following crossbar
- Linear motors on all axes
- Water container in stainless steel



Control unit

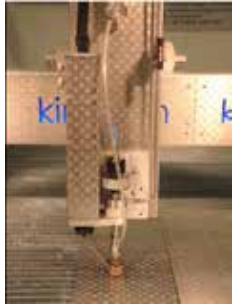
- Software developed specifically for waterjet cutting
- Graphical color picture of the NC program
- Ability to go backwards in the NC program
- Zero-coordinate can be placed over the entire operating range
- Ability to rotate the coordinate system in case of angled plate
- Zoom function
- Fast response time
- Very user-friendly
- Online radius compensation
- Optional GSM monitoring



Kimtech waterjet cutting machines

Best
Quality

Made in
EU
★★★



Automatic cutting distance

High-precision cutting head designed to automatically keep the same distance from the material. Highly accurate sensors ensure extreme accuracy. AC servo-driven Z-axis.



Bevel Cutting

High-precision cutting head designed for angled cutting of flat materials. Kimtech has developed its own system with extremely high precision, which is achieved through constant monitoring of the nozzle height and material.

Nesting

In order to use computers to quickly transfer various geometrical shapes on a surface with arbitrary geometric shape nesting is a necessity. Kimtech machines using IGEMS which have been shown to be among the most effective systems for handling algorithms. IGEMS is able to deal with virtually any object, varies from a simple line, to large complex geometries.

The system supports include DWG, DXF, WMF, CNC and IGS.

Auto-Nesting

The system automatically places the cuts on one or more plates. Nesting of multiple parties with different requirements at the same time, means that each process can have individual differences, why auto-nesting is a very effective tool. Auto nesting handles every single set, and automatically places them most effectively. This implies that the parties can be turned, turned upside down, or placing the minor parties in the larger parties cavity, all automatically to avoid waste.

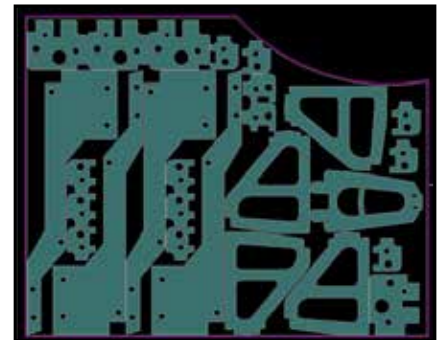
Auto nesting handles parties and panels of any geometric shape.

Report

Nesting solution includes a report generator, for the presentation of the produced results. This includes information about the number of parties, the completion rate and total cutting length.

Pump

The main component of a water jet cutter is the high pressure pump that supplies water with a pressure of up to 4100 bar. Number of cutting heads are depending on the size of the HP pump. Kimtech water jet cutter is supplied with pumps in sizes from 22 kW to 75kW.



The pump is exposed to an enormous pressure when this handles pressures up to 4100 bar over a long time. In the Swedish and Northern European market, pumps manufacturer FLOW proved to be the only one who are able to handle this task. This is the reason that all the machines are provided with Kimtech FLOW pumps.

Spare parts

Kimtech have a full spare part stock for all machines and pumps, which means that downtime is reduced to an absolute minimum. This means delivery 1-2 days throughout Scandinavia.

Schiavi press brake type HFB

Best
Quality



Press brake type HFB are the most technological advanced model in the automation of the bending process. Together with dedicated hydraulics and latest generation software, the models in the HFB range offer companies in the sheet metal working sector a way to increase their competitiveness. HFB press brakes are particularly suitable for integration in a robot-operated bending cell.

Type HFB are offered in three different versions:

HFBs:

Provides the standard line, and ensures high versatility and flexibility, with excellent results in the production of plate elements.

HFBsL:

Includes models with increased opening heights. This type is particularly suitable for large box structures.

HFBx:

Newly developed series, with focus on performance and increased opening height. HFBx have an approach and return speed of 250mm / s and opening height up to 1000mm.

Art. no.	Type	Kap.	Working length	Stroke	Opening height	Throat depth	Distance btw columns	Working height	Working speed	Approach speed	Motor	Weight
		kN	mm	mm	mm	mm	mm	mm	mm/s	mm/s	kw	kg
	HFBs 5020	500	2090	250	450	405	1660	910	1-9	200	5,5	5800
	HFBs 5025	500	2550	250	450	405	2120	910	1-9	200	5,5	6200
	HFBs 8020	800	2090	250	450	405	1660	910	1-9	200	5,5	5800
	HFBs 8025	800	2550	250	450	405	2120	910	1-9	200	5,5	6200
	HFBs 10030	1000	3100	250	450	405	2700	910	1-9	200	7,5	8400
	HFBs12530	1250	3220	250	500	410	2700	960	1-9	200	9	8600
	HFBs 12540	1250	4200	250	500	410	3760	960	1-9	200	9	12500
	HFBs17030	1700	3270	250	500	410	2700	960	1-9	200	11	12600
	HFBs 17040	1700	4250	250	500	410	3760	960	1-9	200	11	14600
	HFBs22030	2200	3340	250	500	410	2700	960	1-9	200	15	17000
	HFBs 22040	2200	4320	250	500	410	3760	960	1-9	200	15	17800

Schiavi press brake type STP

Best
Quality



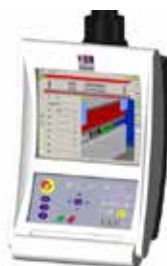
Schiavi press brake type of STB is a series of machines especially suited for large-scale productions. Type STB is intended for companies with high demands on heavy production and high accuracy. Bending Accuracy is guaranteed with Schiavis own effective parallelism system that automatically detects and corrects for deformations in the material. Type STB is equipped with Schiavis own controllers, which ensures quick and easy operation.

In contrast to other press brakes, there is no need of a foundation pit with type STB. Thanks to an innovative new structure that uses three solid plates, composed in a sandwich design, it is not needed to have the machine placed in a foundation pit. Even at very high tonnage, up to 6300kn and 6 metres, this unique design ensures that the machine can simply be placed directly on the floor. This means a much higher degree of freedom in positioning the machine, as well as great savings on installation. The construction is internationally patented and is present only in Schiavis press brake type STB.

Art. no.	Type	Kap.	Working length	Stroke	Opening height	Throat depth	Distance btw columns	Working height	Working speed	Approach speed	Motor	Weight
		kN	mm	mm	mm	mm	mm	mm	mm/s	mm/s	kw	kg
	STP 20050	2000	5100	250	500	320	4520	1020	9	160	15	20000
	STP 20060	2000	6200	250	500	320	5520	1020	9	160	15	27000
	STP 25060	2500	6200	250	500	320	7520	1020	8	160	15	30000
	STP 25080	2500	8200	250	500	350	5520	1020	8	140	15	45000
	STP 32060	3200	6200	300	600	350	7520	1000	8	120	30	36000
	STP 32080	3200	8200	300	600	350	3520	940	8	120	30	60000
	STP 40040	4000	4200	300	600	520	5520	990	9	160	37	27500
	STP 40060	4000	6200	300	600	520	6520	1020	8	140	37	40000
	STP 40070	4000	7200	300	600	520	7520	1020	8	120	37	55000
	STP 40080	4000	8200	300	600	520	3520	1020	8	120	37	60000
	STP 63040	6300	4200	400	750	520	5520	1010	8	120	37	41000
	STP 63060	6300	6200	400	750	520	6520	905	8	120	37	60000
	STP 63070	6300	7200	400	750	520	7520	905	8	100	37	70000
	STP 63080	6300	8200	400	750	520	7520	905	8	100	37	80000
	STP 80080	8000	8200	400	750	520	7520	910	8	80	55	95000
	STP 100080	10000	8300	400	900	520	9520	910	8	80	75	110000
	STP 1000100	10000	10300	400	900	520	9520	910	8	80	75	145000
	STP 1200100	12000	10300	400	900	520	9520	820	8	80	90	170000
	STP 1200120	12000	12300	400	900	520	11520	820	8	80	90	200000

Accessories Schiavi press brakes

Best
Quality



3KPlus

Graphical CNC control made in industrial enclosure, with 17 "touch-screen. CAD / CAM software. Handles up to 12 axes. Automatic generation of suggestions for the most ideal bend sequence.



SK12

Graphical CNC control with 12 "LCD screen. Handles up to 4 axes. Graphic display of bend sequence. Possibility of importing programs from offline software



SK15

Graphical CNC control made of aluminum cabinet with 15 "LCD screen. CAM software. Handles up to 12 axes. Automatic generation of suggestions for the most ideal bend sequence. Possibility of importing programs from offline software



SK7

Economical CNC control. The ideal solution to reduce cost and still with complete automation. Ability to import / export by SD card. cam software

Back-gauge

MPS-C

The back gauge MPS-C can be used on all SCHIAVI press brakes. Full movement of the head bearing transverse beam reduces encumbrance in the rear working area. Maximum stroke 600 mm, maximum reference distance 900 mm.

MPS-CZ

The back gauge MPS-C can be used on all SCHIAVI press brakes. Double engines on X axes allows shifting of the rear transverse beam to perform conical bends. Maximum stroke 600 mm, maximum reference distance 900 mm.

MPS-H

MPS-H is the back gauge with very high performances. The axes are made with ballscrews in sturdy guides, feature a wide travel range and allow exceptionally high moving speeds. Max. stroke 700 mm, maximum reference distance 1000 mm.

APS-1

APS 1 is an extremely flexible back gauge. This back gauge can be applied, in many different configurations, to all the SCHIAVI press brakes. APS 1 is made up of two arms along the X-axis. Max. stroke 600 mm, maximum reference distance 800 mm.

APS-2

APS-2 back gauge has been designed especially for heavy workloads and it is able to resist the shocks caused by the placement of heavy plates on the crowning system. APS-2 is made up of two arms along the X-axis.

Max. stroke 800 mm, maximum reference distance 800mm.



Sheet followers

Designed for heavy sheets and thin unstable. Enables operation of the machine by just one operator. The arms can be operated independently of each other. up to 4 arms on each machine - follows workpiece up to 26 °



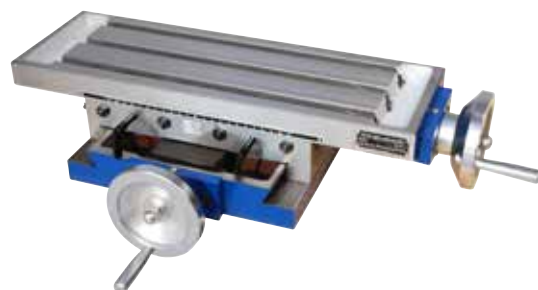
Cross tables and machine vices

Best
Price

Cross tables type WT

WT 495

Cast-iron construction with adjustable dovetail guides, T-slots and coolant groove.



Art. No.	Type	Table dimensions	X-travel	Y-travel	Weight
		mm	mm	mm	kg
19000	WT 495	495 x 165	210	100	42
19005	WT 730	730 x 210	500	230	100

Machine vices type PL

Precision machine vice made from high-grade cast-iron. For milling, drilling and grinding. Hardened and ground guide surfaces. Standard with swivel base.



Art. No.	Type	Opening	Jaw width	Jaw height	Weight
		mm	mm	mm	kg
19025	PL-100	100	100	28	20
19030	PL-125	110	125	32	30
19035	PL-160	150	160	38	43

Machine vices type QGG

Solid steel construction with hardened and ground V-grooves for high precision work. For drilling, cutting and grinding.



Art. No.	Type	Opening	Jaw width	Jaw height	Weight
		mm	mm	mm	kg
19050	QGG 73	100	73	35	5
19055	QGG 100	125	100	45	8
19060	QGG 125	160	125	50	13

Bending, notching, shears & arbor presses

Best
Price

Universal bending machine type UB-1. (Art .nr. 19120)

For exact cold and warm bending of flat-bar steel, round bar and angular steel.

	Cold :	Warm :
Flat steel:	100x5 mm	100x15 mm
Round steel:	18 mm Ø	30 mm Ø
Square steel:	16x16 mm	30x30 mm
Angular steel:	60x8 mm	100x12 mm

Standard with bending angle scale, material stop and 4 bending forms. Eccentric quick adjustment. Weight 33 kg.



UB-1

Hydraulic pipe-bending machine type HPB-10. (Art.no. 19100)

For bending of gas pipes, boiler and water pipes.

Capacity ½" – 2". Max. pressure 10 tons.

Bends up to 90°.

Standard with 6 bending forms : ½"-3/4"-1"-1 1/4"-1 1/2"-2"



HPB-10

Pipe notching machine type RA.

For notching of all types of pipe of up to 3 mm wall thickness.
For perfect assembly and welding of pipes at the angle of 90°.

Type RA 1 for pipe diameter : 14 – 17 – 22 mm Ø. (Art.no. 19125)

Type RA 2 for pipe diameter : 28 – 34 – 43 mm Ø. (Art.no. 19130)

Type RA 3 for pipe diameter : 50 – 61 mm Ø. (Art.no. 19135))



RA

Data		HS 5	HS 8	HS 12	PBS 7
Art. No		19200	19210	19220	19230
Sheet steel	mm	4	6	4	10
Round bar	mm	11	13	13	22
Flat iron	mm	70 x 6	70 x 6	70 x 6	90x14
Knife length	mm	130	200	300	178
Weight	kg	12	18	28	99



PBS 7

Data		DP 1	DP 2	DP 3	DP 5
Art. No.		19300	19310	19320	19330
Pressue	ton	1	2	3	5
Workpiece height	mm	120	190	300	450
Gap from center to frame	mm	95	137	158	210
Arbor dimensions	mm	29x29x240	32x32x335	38x38x450	50x50x645
Table size	mm	120	161	187	257
Weight	kg	17	45	69	163



DP 2

Roller stands and roller tables

Best
Price



RS 52



RT 57-9



RT 60-4



VRS 52



Flex 1300

Ideal tool for supporting of long and heavy work pieces. Roller support plate steplessly height adjustable and clampable. Safety work piece support through high quality, massive and zinced steel rollers. Heavy construction for highest load pressure.

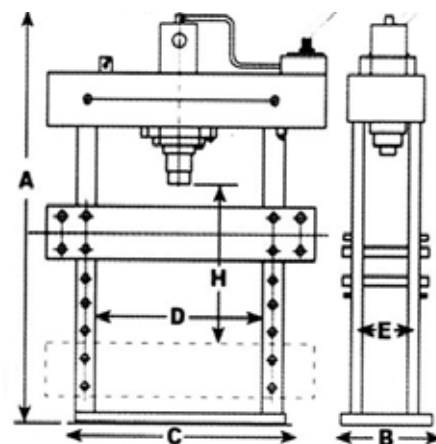
Art. no.	Type	Roller width	Path length	Roller Ø	Height	Load capacity	Weight
		mm	mm	mm	mm	kg	kg
19150	RS 52	350		52	610-920	700	20
19160	VRS 52	2 x 125		52	530-880	700	20
19170	RT 60-4	365	1000	60	600-1000	800	40
19180	RT 57-9	395	1650	57	665-1140	200	35
19185	Flex 1300	360	450-1300	50	670-920	130	46

Workshop presses type KHP

Best
Price



KHP 30 S



Workshop presses in a modern and sturdy construction.

Type KHP 20 S is with return-spring reset.

Type KHP 30 S is with double-acting cylinder.

Both models are build in high quality steel to ensure a stabil and precise machine. Height of table is easy to adjust.

Type	KHP20S	KHP30S
A mm	1455	1475
B mm	365	365
C mm	700	700
D mm	500	500
E mm	195	200
H mm	585	720

Art.No.	Type	Capacity	Stroke	Pressure	Length	Width	Height	Weight
		ton	mm	bar	mm	mm	mm	kg
19350	KHP 20 S	20	180+405	400	700	365	1455	220
19351	KHP 30 S	30	200+520	400	700	365	1475	280

Workshop presses type DP

Best
Quality

Made in
EU
★ ★ ★



DP 600-30

Workshop Presses type DP is a series of powerful machines, made of a sturdy fully welded construction. The machines are easy to operate and equipped with easy-to-read pressure gauge. Type DP comes standard with:

- 2 V-blocks,
- Height-adjustable table
- Safety valve against overloading

Art. No.	Type	Cpacity	Stroke	Pressure	Length	Width	Height	Weight
		ton	mm	bar	mm	mm	mm	kg
14857	DP 600-30	30	200	244	1500	700	1800	400

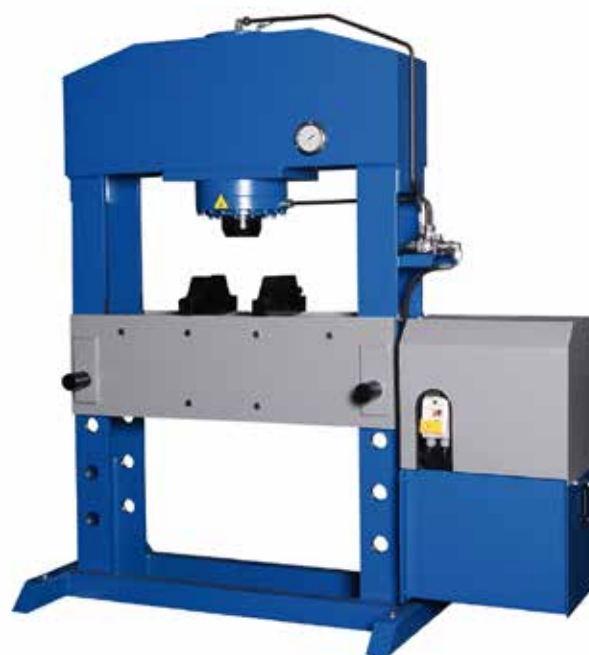
Workshop presses type DPM

Best
Quality

Made in
EU
★ ★ ★



DPM 80



DPM 100

Workshop Presses type DPM is a series of powerful machines, made of a sturdy fully welded construction. The machines are easy to operate and equipped with easy-to-read pressure gauge. Type DPM comes standard with:

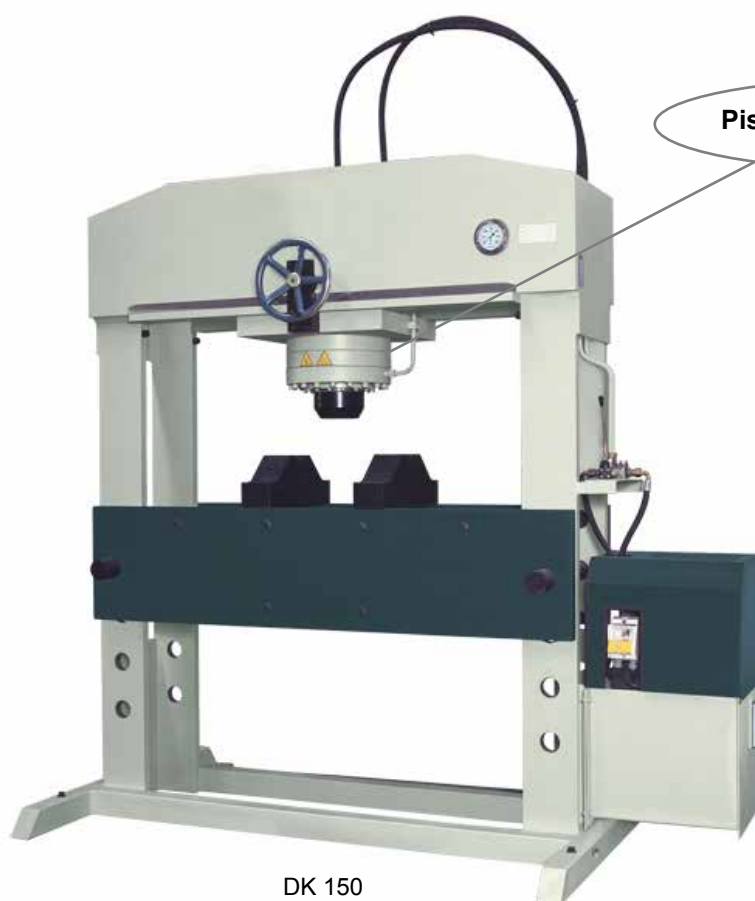
- 2 V-blocks
- Height-adjustable table
- Safety valve against overloading
- Control joystick
- Stop at any position

Art. No.	Type	Capacity	Stroke	Pressure	Motor	Length	Width	Height	Weight
		ton	mm	bar	kw	mm	mm	mm	kg
14860	DPM 30	30	200	244	3	1500	700	1800	400
14861	DPM 60	60	250	236	4	1710	700	2100	800
14862	DPM 80	80	250	255	5,5	1810	750	2100	835
14863	DPM 100	100	300	263	5,5	2050	1000	2200	1500
14864	DPM 150	150	300	244	11	2050	1000	2200	1870
14865	DPM 100 / 15	100	300	263	11	2500	1000	2270	1700
14866	DPM 150 / 15	150	300	244	11	2500	1000	2270	2100

Workshop presses type DK

Best
Quality

Made in
EU
★★★★



Piston movable horizontal

DK 150

Workshop Presses type DK is a series of powerful machines made of a sturdy fully welded construction. The machines are user friendly and equipped with easy-to-read pressure gauge. Type THP is delivered standard with 2 V-blocks and height-adjustable table.

- **Piston movable horizontal**
- 2 V-blocks
- Height-adjustable table
- Safety valve against overloading
- Control joystick
- Stop at any position

Art. No.	Type	Capacity	Stroke	Pressure	Motor	Length	Width	Height	Weight
		ton	mm	bar	kw	mm	mm	mm	kg
14870	DK 100	100	300	263	5,5	2640	1000	2480	1755
14871	DK 150	150	300	244	11	2640	1000	2480	2350
14872	DK 200	200	300	283	15	2650	1000	3200	4800

Grinding and abbrasive machines type Sandrite

Best
Quality

Made in
EU
★★★

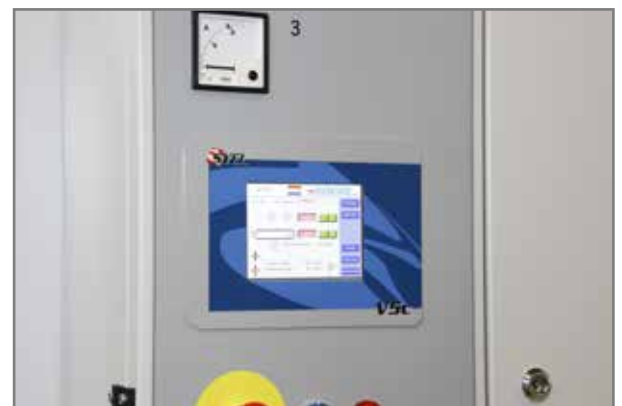


Grinding and Abrassive machines type Sandrite is produced by Boere in the Netherlands, which is one of Europes leading manufacturers of grinding and deburring machines of the highest quality. The machines were in the beginning designed for woodworking, but has since also been developed for metalworking and rubber-plastic - foam and many other types of materials.

With more than 70years experience, Boere developes some of the best machines in processing metal parts, either punched or cut by laser or plasma. These machines can be adapted to any task within deburring - grinding - polishing of workpieces. The machines characteristics are incredibly durability and very strong and sturdy construction. These machines could replace much manual and dirty work, and do this kind of processing to a simplebut highly effective process in the company.

With these machines it is possible to:

- Deburring items and small contours in these
- Grinding
- Polishing
- Remove oxidized coatings
- Remove slag from plasma cutting
- Minor rounding of edges (cut edges)



Grinding and abbrasive machines type Sandrite

Best
Quality

Standard:

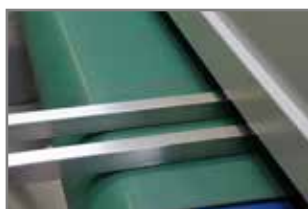
- 1-2 grinding stations (depending on size)
- Fast-replaceable units
- Electric Motors on height control with digital readout
- Pneumatic grinding belt tensioner
- Automatic safety stop on grinding units.
- CE approved



Workpieces



Workpieces



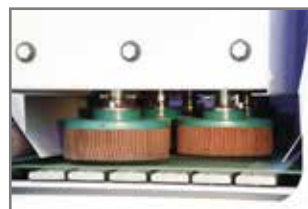
Workpieces



Workpieces

Optional:

- converter on beltspeeds
- converter to brush units
- Air-jet device for cleaning the belt for conveying
- Electronic control of table speed
- Sensor for automatic control of subject heights
- Plexi-glass and LED lighting inside the machine
- Control with text display
- Touch screen incl. storing up to 50 programs
- Vacuum-table
- Magnetic table
- Roller conveyors to enter / exit sides
- scotch-brite brushes



Brushes



Brushes

Tekniske data		600	900	1100	1300
Artikel nr.		18220	18225	18230	18255
Working width	mm	600	900	1100	1300
Working thickness	mm	0,5 - 132			
Contact roller diameter	mm	150			
Grinding belt dimensions	mm	610x1900	910x1900	1110x1900	1310x1900
Vertical disc brushes diameter	mm	180			
Deburring brush diameter	mm	200			
Feed speed	m/min	1,5			
Motor contact roller	kw	11	15	18,5	
Motor for deburring brush	kw	5,5		7,5	
Motor for vertical brush	kw.	4x0,55	6x0,55	8x0,55	9x0,55
Feed motor	kw	0,75			
Height adjustment motor	kw	0,26			
Weight	kg	1200	1350	1500	1650

Belt grinders type BGM & RPS

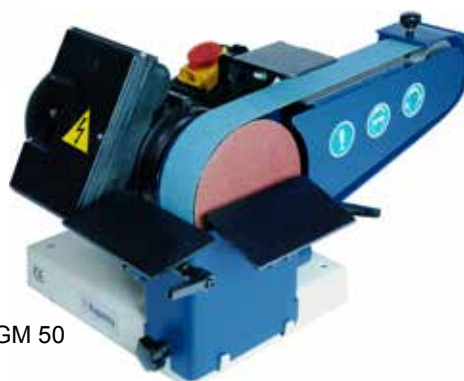
Best
Price



RPS 76



BGM 75



BGM 50

The **BGM belt grinders** are efficient and powerful machines with a full size 3 kW motor. Enclosed grinding head, adjustable top work support, eye protection and TONVR starter are all standard. Belt speed of 34 m./sec. Quick change of belt and self-adjusting belt tensioner.

BGM 75 and BGM 150 can be delivered with an electronic motor brake. This means a reduction of the interruption time from 11 sec. to 3 sec.

The motor brake is efficient at both service stop, emergency stop and network drop-out. The machines are furthermore equipped with separate emergency stop.

Tube- and profile end grinder type RPS 76 grinds any diameter from Ø 20 mm to Ø 76 mm in any angle from 30° - 90°. Powerful 3 kW motor. 20 mm grinding wheel is standard.

Optional grinding wheels: ½", ¾", 1", 1¼", 1½", 2".

Art. nr.	Type	Motor	Belt speed	Belt dimensions	Contact wheel	Grinding surface	L x W x H	Working height	Weight
		kW	m/sek.	mm	mm	mm	mm	mm	kg
18105	BGM 50	0,55	23	1000 x 50	150 x 50	300	520 x 400 x 500	Bænk	20
18000	BGM 75	3	34	2000 x 75	200 x 75	530	1000 x 580 x 1120	475-1240	115
18045	BGM 75 MB	3	34	2000 x 75	200 x 75	530	1000 x 580 x 1120	475-1240	115
18010	BGM 150	3	34	2000 x 150	200 x 150	530	1000 x 580 x 1120	475-1240	135
18060	BGM 150 MB	3	34	2000 x 150	200 x 150	530	1000 x 580 x 1120	475-1240	135
18200	RPS 76	3	30	2000 x 100	Var.	390	1450 x 1150 x 650	1100	200

Accessories for belt grinders



Drive wheel



Contact wheel



Motor



TONVR



Grinding belts



Dust bag



Dust extractor



Eye shield

Bandsaw type BS

Best
Price



BS 100

Bandsaws type BS 100 are compact and well-dimensioned machines suitable for cutting all kinds of material. Handy for field and construction site applications. Automatic stop function. On/off button in handle for easy and safe operation. Blade guides on ball-bearings. Quick-adjusting vice and side-gauge.

Data		BS 100
Art. No.		17930
Capacity round 90°	mm	100 mm
Capacity square 90°	mm	100 x 150
Capacity round 45°	mm	60
Capacity square 45°	mm	60 x 100
Speed range	RpM	45
Belt dimensions	mm	1470x13x0,65
Motor, 1x230 V	kw	0,37
Weight	kg	30

Bandsaw type BS G

Best
Price



BS 180G



BS 280G



BS 215G

BS-180 G is a manual machine for professional use. Automatic saw frame feed by gravity with hydraulic damper adjustment of down feed speed. Robust cast-iron saw frame with tubular section. Standard with rapid vice clamping action and sheet base with coolant system. Suitable for cutting metal profiles and solids (steel, stainless steel, copper).

BS-215 G & BS-280 G are high-quality machines for professional use. Cast-iron construction and base with built-in coolant system. Quick-adjusting vice, side-gauge and automatic stop. 2-speed motor for optimum cutting speed. Quick-lock system and scale for arm swivelling.

Data		BS 180G	BS 215G	BS 280G
Artikel nr		17910	17912	17914
Capacity round 90°	mm	180	150	220
Capacity square 90°	mm	180 x 260	200 x 120	250 x 155
Capacity round 45°	mm	105	120	160
Capacity square 45°	mm	120 x 105	130 x 90	160 x 110
Speed range	RpM	39, 66 & 82	40 – 80	40 – 80
Belt dimensions	mm	2362 x 19 x 0,8	2060 x 20 x 0,9	2450 x 27 x 0,9
Motor, 1x230 V	kw	0,75	0,6 – 0,8	0,6 – 0,8
Weight	kg	180	212	254

Manual circular saw type CS

Best
Price



CS 250



CS 275



CS 315

CS circular saws are machines in a rigid cast-iron design for cutting all kinds of sections and solid material. Standard equipment: coolant system, base, side-gauge and quick-adjusting vice. Angular cuts left 0-45°. Two speeds for optimum cutting of all material.

Data		CS-250	CS-275	CS-315
Art. No.		17975	17976	17977
Capacity round 90°	mm	70	80	100
Capacity square 90°	mm	55 x 95	100 x 70	140 x 90
Capacity round 45°	mm	65	80	90
Capacity square 45°	mm	55 x 65	80 x 70	70 x 85
Speed range	RpM	52 / 104	40 / 80	18 / 36
Blade dimensions	mm	Ø 250	Ø 275	Ø 315
Motor, 1x230 V	kw	0,9 / 1,3	1,1 / 1,5	0,75 / 1,1
Weight	kg	85	190	176

Manual circular saw type IDEAL

Best
Quality

Made in
EU
★★★



IDEAL 250



Manuel rundsav type IDEAL 250

Manual circular saw, mitre cutting from 0° to 45° left.

- Cooling system with filter
- Automatic pump and sealed container
- Single-phase motor
- 24V low voltage with start button inside the handle
- Equipment for locking the head during transport
- Wide base with non-slip knobs
- Complete blade guard
- Hole in the blade 32mm
- Vice with adjustable screw
- Adjustable length stop



Art. no.	Type	Motor	Speed	Blade Size	Motor	Weight	Cutting Angle	●	■	■
		kw	m/min	D / d (mm)	kw	kg	°	mm	mm	mm
31450	IDEAL 250	0,8 kW	54	250 / 32	0,8	40	90°	85 mm	75 mm	100 x 65 mm
							45°	80 mm	75 mm	90 x 60 mm

Manual circular saw type Perfect

Best
Quality

Made in
EU



PERFECT 250

Manual circular saws, suitable to cut metal profiles and on occasion for solids also from 0° to 45°. Suitable for small workshops. Start button inside the handle. Cooling system with pump and additional filter in the tank.

Complete blade guard.

Vice with adjustable anti-burr device.

Blade spindle 32mm

Adjustable length stop.



PERFECT 275

Manual circular saws, suitable to cut metal profiles and on occasion for solids also from 0° to 45°.

Crown gear/endless screw in oil bath, single-piece reducer head with external adjustable clutch to save the gears and blade.

Start button inside the handle.

Coolant system with pump and additional filter in the tank.

Complete metallic blade protection.

Vice with adjustable anti-burr device.

Blade spindle 32 mm diameter.

Adjustable length stop.



PERFECT 300

Manual circular saws, suitable to cut metal profiles and on occasion for solids also mitre cut from 0° to 45° left and right. Crown gear/endless screw in oil bath, single-piece reducer head with external adjustable clutch to save the gears and blade.

Start button inside the handle.

Coolant system with pump and additional filter in the tank. Complete with metallic blade protection.

Vice with adjustable antiburr and quick clamping device.

Blade spindle 32mm diameter.

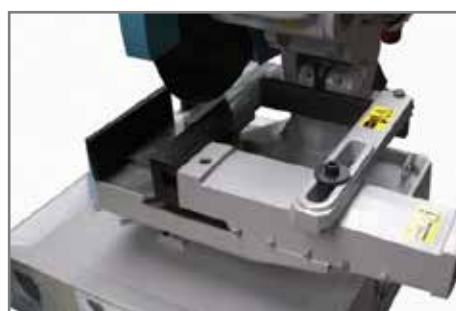
Adjustable length stop

Art. no.	Type	Motor	Speed	Blade size	Weight	Cutting Angle	○	◻	◻
		kw	m/min	D / d (mm)	kg	°	mm	mm	mm
31451	PERFECT 250	1 kW 1 kW 0,8 / 1 kW	52 52 52 / 104	250 / 32	73 kg	90°	85 mm	70 mm	95 x 66 mm
						45°	70 mm	60 mm	65 x 50 mm
31452	PERFECT 275	1,1 kW 1,1 / 1,3 kW	42 33 / 66	275 / 32	112 kg	90°	90 mm	80 mm	100 x 70 mm
						45°	70 mm	70 mm	80 x 60 mm
31453	PERFECT 300	1,1 kW 1,5 / 2,0 kW	42 33 / 66	300 / 32	135 kg	90°	102 mm	90 mm	120 x 80 mm
						45°	90 mm	80 mm	90 x 70 mm
						45°	80 mm	70 mm	85 x 70 mm

Manual circular saw type Record

Best
Quality

Made in
EU
★★★



RECORD 350

Manual and powerful circular saw. Mitre cut from 0° to 45° both right and left. Longitudinal cut is possible, thanks to the rotary vice. The machine is suitable for metal profiles and solid steel up to 70 kg / mm.




Rotating head and vice, external adjustable clutch. Crown gear/endless screw in oil bath, with adjustable bearings and elastic coupling.

Start button inside the handle. Main switch, thermic and magnetic motor protections.

Coolant system with pump and additional filter. Handle to rotate the head.

Vice with quick clamping device and adjustable guides. Closing jaw and adjustable anti-burr device to get double clamping with mitre cutting also.

Blade spindle 32mm diameter. Adjustable length stop,

Art. no.	Type	Motor	Speed	Blade size	Weight	Cutting angle	●	■	■
		kw	m/min	D / d (mm)	kg	°	mm	mm	mm
31454	RECORD 350	1,8 / 2,5 kW	30 / 60	350 / 32	206 kg	 90°	125 mm	110 mm	160 x 90 mm
						 45°	105 mm	90 mm	80 x 100 mm
						 45°	75 mm	65 mm	60 x 70 mm

Manual circular saw type Sirio 315

Best
Quality

Made in
EU
★ ★ ★



SIRIO 315



SIRIO 315 SH

SIRIO 315

Heavy duty manual vertical saw; mitre cutting from 0° to 45° right and from 0° to 60° left.

Suited to cut high-resistance steel. Blade spindle with 40 mm diameter. Vice with adjustable guides, free to move alongside the worktable, with quick motion and clamping, anti-burr adjustable device. Gears with oil, endless screw and bronze crown gear. Easy stops at 0° and 45° left, adjustable length stop.

Floor stand with removable chip collector and coolant tank; coolant electro-pump, main switch, thermic motor protection.





SIRIO 315 SH

Heavy duty semiautomatic vertical saw; mitre cutting from 0° to 45° right and from 0° to 60° left.

Suited to cut high-resistance steel. Blade spindle with 40 mm diameter. Semiautomatic version with electro-pneumatic functioning, hydraulic control of the down-feed speed of the head and pneumatic vice. Cutting cycles with adjustable feed speed during cut and fast return. Easy regulation of cut start/stop positions by 2 microswitch.

Vice with adjustable guides, free to move alongside the worktable, with quick motion and clamping, anti-burr adjustable device. Gears with oil, endless screw and bronze crown gear. Easy stops at 0° and 45° left, adjustable length stop.

Floor stand with removable chip collector and coolant tank; coolant electro-pump.

Art. nr.	Type	Motor	Speed	Blade size	Weight	Cutting angle	●	■	■
		kw	m/min	D / d (mm)	kg	°	mm	mm	mm
31460 31461	SIRIO 350	1,5 / 1,8 kW 1,5 / 1,8 kW	17 / 33 33 / 66	315 / 40	327 kg 360kg (SH)	 90°	108 mm	93 mm	150 x 90 mm
						 45°	108 mm	93 mm	105 x 80 mm
						 60°	93 mm	80 mm	75 x 90 mm
						 45°	108 mm	93 mm	105 x 80 mm

Manual circular saw type Sirio 370

Best
Quality

Made in
EU

★ ★ ★

Automatic vertical column circular saw, mitre cut from 0° - 45° right (Only in semiautomatic mode) and 0° - 60° to the left. Suitable for high-strength steel. With electronic variable speed, which makes it suitable for cutting in all materials. Blade spindle 40mm. Blade cleaning nylon brush. Vice with adjustable guides with free movement across the full width, fast-moving and clamping, Anti-burr adjustable vice, gear in oil, endless screw and bronze crown gear. Easy stop at 0° and 45° to the left. Adjustable length stop. Base with chip tray that can emptied and tank with cooling pump, main switch and motor thermal protection. Electro - pneumatic functions hydraulic control of the feed rate.



SIRIO 370 AF-E

SIRIO 370 AF-E

Automatic, vertical column circular saw; mitre cutting from 0° to 45° right (only semiautomatic cycle) and from 0° to 60° left. Suited to cut high-resistance steel, the version with electronic Inverter widens the cutting possibilities, from stainless steel to brass and copper. Primary transmission with pulleys and cogged belt, final reduction in oil bath with big-size bronze crown gear. Vice with adjustable guides, free to move alongside the worktable, with quick motion and clamping; anti-burr adjustable device, pneumatic vertical vice.

Blade spindle with 40 mm diameter. Electronic driver with programming of all operations by means of the keyboard, including setting of the start-cut and end-cut points; machine status shown on display.

Feeder with 200 mm opening, maximum stroke 520 mm, minimum stroke 4 mm (minimum scrap-end 170 mm); selection of the number of cuts (1-9999) and the feeder strokes (1- 29) by means of the keyboard

SIRIO 370 AF-NC

Automatic CNC vertical column circular saw; mitre cutting from 0° to 45° right (only semiautomatic cycle) and from 0° to 60° left. Suited to cut high-resistance steel, the version with electronic Inverter widens the cutting possibilities, from stainless steel to brass and copper. Primary transmission with pulleys and cogged belt, final reduction in oil bath with big-size bronze crown gear. Vice with adjustable guides, free to move alongside the worktable, with quick motion and clamping; anti-burr adjustable device, pneumatic vertical vice. Blade spindle with 40 mm diameter. Electro-pneumatic driven functioning, hydraulic control of the down-feed speed of the head. Feeder movements by electric motor with encoder, 200 mm. opening, minimum stroke 4 mm. (minimum scrap-end 170 mm.), maximum stroke 520 mm. Up to 99 programs can be memorized, each one with different cutting lengths and number of cuts.

Art. no.	Type	Motor	Speed	Blade size	Weight	Cutting angle	●	■	■
		kw	m/min	D / d (mm)	kg	°	mm	mm	mm
31457	SIRIO 370 AF-E	1,5 / 2,0 kW 3,0 kW	15 - 30 15 - 70	370 / 40	710 kg	90°	120 mm	100 mm	180 x 100 mm
						45°	120 mm	100 mm	130 x 100 mm
						60°	110 mm	90 mm	90 x 100 mm
31458	SIRIO 370 AF-NC	1,5 / 2,0 kW 3,0 kW	15 - 30 17 - 70		737kg	45°	105 mm	100 mm	130 x 100 mm

Manual circular saw type Velox 350

Best
Quality





Made in
EU
★★★



VELOX 350

Manual circular saw to cut aluminium and light metals. Mitre cutting from 0° to 45° left and right. The head bends 45° on the vertical axis to allow inclined cuts

- Mitre cut from 0 - 45° left and right.
- Head rotate 45° in the vertical axis.
- Easy stops at 0 °, 15 °, 30 ° and 45 ° right and left.
- Hand wheel to lock head at any angle.
- Scale engraved in the table.
- 2 vices with quick tension
- Vices run sideways across the width of the table.
- Replaceable jaws on vices.
- 3 phase 2 speed motor allows to run with HSS blades for brass and copper.
- 24V control voltage with start button inside the handle.
- Complete circular saw blade guard.
- Dust extractor on can be added.
- Base with tank for cooling pump.

Art. no.	Type	Motor	Speed	Blade size	Weight	Cutting angle	●	■	■
		kw	o/min	D / d (mm)	kg	°	mm	mm	mm
31460	VELOX 350	1,3 kW 1,5 / 1,8 kW	3600 1800 / 3600	350 / 32	163 kg	 90°	120 mm	105 mm	200 x 80 mm
						 45°	115 mm	100 mm	150 x 80 mm
						 45°	115 mm	100 mm	150 x 80 mm
						 45°	65 mm	60 mm	180 x 50 mm

Semi-automatic circular saw type Velox 350SH

Best
Quality

Made in
EU
★ ★ ★



VELOX 350 SH-E



VELOX 350 SH-E

Semiautomatic circular saw suited to cut aluminium and light metals solid and profiles with high accuracy. Possibility to set the machine for brass and copper profiles. Programming of all operations by the keyboard, including setting of the start-cut and end-cut points; machine status shown on display.

- Mitre cut from 0 - 45° left and right.
- Head rotate 45° in the vertical axis.
- Easy stops at 0°, 15°, 30° and 45° right and left.
- Hand wheel to lock head at any angle.
- Scale engraved in the table.
- Programming of all operations by keyboard
- 2 pneumatic vices with quick tension
- Vices run sideways across the width of the table.
- Replaceable jaws on vices.
- Complete circular saw blade guard.
- Dust extractor on can be added.
- Base with tank for cooling pump.

Art. no.	Type	Motor	Speed	Blade size	Weight	Cutting angle	●	■	■
		kw	o/min	D / d (mm)	kg	°	mm	mm	mm
31461	VELOX 350 SH-E	1,5 / 1,8 kW	1800 / 3600	350 / 32	266 kg	□ 90°	120 mm	105 mm	200 x 80 mm
						▤ 45°	115 mm	100 mm	150 x 80 mm
						▥ 45°	115 mm	100 mm	150 x 80 mm
						▦ 45°	65 mm	60 mm	180 x 50 mm

Automatic circular saw type Velox 350AF

Best
Quality

Made in
EU
★ ★ ★



VELOX 350 AF-NC



VELOX 350 AF-E





Automatic circular saw for cutting aluminum and other light metals, with the possibility of cutting brass and copper. Mitre cut from 0°-45° right and left. Head can rotate 45° in the vertical axis. Easy stops at 0, 15°, 30° and 45° right and left. Hand wheel to lock head at any angle. Scale engraved in the table. Suitable for cutting profiles and massive with high accuracy.

VELOX 350 AF-E

The head bends 45° on the vertical axis to allow inclined cuts. Electro-pneumatic functioning. Hydraulic control of the down-feed speed of the head. Electronic driver with programming of all operations by the keyboard. Manual selection of the cutting length with digital reading and decimal nonius. Pair of front pneumatic vices with quick clamping, free to move alongside the worktable, vertical pneumatic vice. Feeder with 200 mm opening, maximum stroke 520 mm, minimum stroke 4 mm (minimum scrap-end 355 mm); selection of the number of cuts (1-9999) and the feeder strokes (1-29) by means of the keyboard. Cast iron head avoids vibrations. Additional vertical pneumatic vice guarantee a perfect material locking.

VELOX 350 AF-NC

The head bends 45° on the vertical axis to allow inclined cuts. Electro-pneumatic functioning, hydraulic control of the down-feed speed of the head. Feeder with 200 mm opening, moving by electronic motor with inverter. Minimum stroke 4 mm (minimum scrap-end 355 mm). Up to 99 programs can be memorized, each one with different cutting lengths and number of cuts. Programming of all operations by CNC control board easy to use complete display that shows machine status and anomalies. Cast iron head avoids vibrations. Additional vertical pneumatic vice guarantee a perfect material locking.

Art. no.	Type	Motor	Speed	Blade size	Weight	Cutting angle	●	■	■
		kw	m/min	D /d (mm)	kg	°	mm	mm	mm
31462	VELOX 350 AF-E	2,2 kW	3600	350 / 32	585 kg	 90°	120 mm	105 mm	200 x 80 mm
						 45°	115 mm	100 mm	150 x 80 mm
						 45°	115 mm	100 mm	150 x 80 mm
31463	VELOX 350 AF-NC				607 kg	 45°	65 mm	60 mm	180 x 50 mm

Manual Bandsaw type MAN-R

Best
Quality

Made in
EU
★ ★ ★



MAN-R 220x250

Manual band saw machine with full manual operation. The machine is designed for cutting of material in vertical and angle cuts, angle cuts are possible to set fluently from 0 to 60 grades to the right. Change of angle using quick clamping handle. It is suitable for piece production and small series production. Thanks to its rugged construction it enables cutting of wide range of materials including stainless steels and tools steels as well as profiles and full materials.

The machine has a sturdy design, and is constructed so it corresponds to extreme exertions in productive conditions.

- Arm is 25 degrees sloped, it increases the lifetime of blade. Arm is placed in adjustable bearings.
- The vice is made of cast iron and the jaws allow a safe grip.
- The manually operated vice is situated in an adjustable dovetail
- Leading blade in high quality metal.
- Automatic regulation of blade tension. Mechanical tightening of the blade
- Drive of machine is solved by worm gear box with permanent oil filling.
- Three phase engine with double winding, two cutting speeds.
- Thermo protection of engine.

Art. no	Motor	Speed	Blade size	Weight
	kw	m/min	mm	kg
31000	0,6 / 0,8	40 / 80	2060x20x0,9	160
31001	0,75 / 1,1	30 / 65	2450x27x0,9	260

Art. no.	Type	Round			Rectangle flat				Rectangle standing			
		90°	45°R	60°R	90°	45°R	60°R	Stack	90°	45°R	60°R	Stack
31000	MAN-R 150x200	150	110	-	170x140	110x120	-	170x75	150x150	100x150	-	170x75
31001	MAN-R 220x250	220	160	90	230x290	160x190	90x90	230x120	230x190	140x190	80x160	230x120

Manual Bandsaw type GH

Best
Quality

Made in
EU
★★★

Type GH is a gravitational band saw machine. Working movement of the arm is caused by the weight of the arm itself, speed is regulated by a hydraulic cylinder. The machine is designed for cutting of material in vertical and angle cuts, angle cuts are possible to set fluently from 0 to 60 grades to the right and from 0 to 60 grades to the left. Change of angle using quick clamping handle. It is suitable for piece production and small series production. Thanks to its rugged construction it enables cutting of wide range of materials including stainless steels and tool steels as well as profiles and full materials.

The machine has a sturdy design, and is constructed so it corresponds to extreme exertions in productive conditions. That is why all carrying parts are made as cast-iron castings (solidity, damping of vibrations and stops). Parts of arm, vice and turn table is cast iron

- Arm is 25 degrees sloped, it increases the lifetime of blade. Arm is placed in adjustable bearings.
- Down working positions of the arm are controlled by the cam and microswitch
- Cleaning brush for perfect cleaning and function of blade
- The vice is made of cast iron and the jaws allow a safe grip.
- The manually operating vice is placed in an adjustable dovetail groove
- The vice jaw travels left-right with regard the angular cut; it is secured by a crank.
- Leading blade in high quality metal.
- Automatic regulation of blade tension. Mechanical tightening of the blade
- Drive of machine is solved by worm gear box with permanent oil filling.
- Three phase engine with double winding, two cutting speeds
- Cooling system for emulsion with liquid distribution to blade guides.



GH-LR 250 x 315

Art. no.	Motor	Speed	Blade size	Weight
	kw	m/min	mm	kg
31009	0,6 / 0,8	40 / 80	2060x20x0,9	160
31010	0,75 / 1,1	30 / 65	2450x27x0,9	270
31011	1,4 / 2,0	35 / 70	2720x27x0,9	345
31012	0,75 / 1,1	37 / 74	2825x27x0,9	380
31013	2,4	35 / 70	3660x27x0,9	540
31014	2,0 / 2,6	42 / 85	4780x34x1,1	650

Art. no.	Type	Round					Rectangle flat					Stack	Rectangle standing					Stack
		90°	45°R	60°R	45°L	60°L	90°	45°R	60°R	45°L	60°L		90°	45°R	60°R	45°L	60°L	
31009	GH-R 150x200	150	110	-	-	-	170x140	110x120	-	-	-	170x75	150x150	100x150	-	-	-	170x75
31010	GH-R 220x250	220	160	90	-	-	230x190	160x190	90x90	-	-	230x120	230x190	140x190	80x160	-	-	230x120
31011	GH-LR 230x280	230	195	125	185	-	280x180	180x170	120x100	180x120	-	280x125	260x230	170x190	110x90	125x230	-	280x125
31012	GH-LR 250x315	250	190	120	170	-	290x200	190x140	120x140	170x70	-	200x120	290x200	180x200	130x140	110x200	-	200x120
31013	GH-LR 300x320	300	300	200	240	-	320x300	300x250	200x200	260x200	-	230x120	320x290	210x290	130x190	150x290	-	320x160
31014	GH-LR 360x500	360	350	270	350	270	500x360	400x180	270x320	400x190	310x170	500x220	500x360	350x360	240x360	330x360	200x360	500x220

Semi-automatic Bandsaw type SHI

Best
Quality

Made in
EU
★ ★ ★

Semiautomatic machine with hydraulic system. The machine is designed for cutting of material in vertical and angle cuts, angle cuts are possible to set fluently from 0 to 60 grades to the right. Change of angle using quick clamping handle. It is suitable for piece production and small series production. Thanks to its rugged construction it enables cutting of wide range of materials including stainless steels and tools steels as well as profiles and full materials.

- STOP function enables to stop cutting by pressing STOP button at any time. The arm goes up with the running blade without stopping the machine and without opening the vice.
- Arm is 25 degrees sloped, it increases the lifetime of blade. Arm is placed in adjustable bearings
- cleaning brush for perfect cleaning and function of blade.
- The vice is made of cast iron and the jaws allow a safe grip
- The hydraulically controlled vice with short travel is situated in an adjustable dovetail groove.
- Automatic regulation of blade tension. Mechanical tightening of the blade
- Drive of machine is solved by worm gear box with maintenance less oil filling
- Three-phases electromotor with double winding, two cutting speeds
- Cooling system for emulsion with liquid distribution to blade guides



SHI-LR-F 360x500

Art. no.	Motor	Speed	Blade size	Weight
	kw	m/min	mm	kg
31032	0,75 / 1,1	37 / 74	2825x27x0,9	380
31035	2,4	20 / 100	3660x27x0,9	585
31036	3,0	20 / 100	4780x34x1,1	715
31037	4,0	20 / 100	5400x41x1,3	1690

Art. no.	Type	Round						Rectangle flat						Rectangle standing					
		90°	45°R	60°R	45°L	60°L		90°	45°R	60°R	45°L	60°L	Stack	90°	45°R	60°R	45°L	60°L	Stack
31032	SHI-LR 250x315	250	190	120	170	-		290x200	190x140	120x140	200x70	-	200x120	260x230	160x230	110x140	-	-	270x120
31035	SHI-LR-F 300x320	300	300	200	240	-		320x300	300x250	200x200	260x200	-	230x120	290x230	180x230	130x140	110x200	-	200x120
31036	SHI-LR-F 360x500	360	350	270	360	310		500x360	400x180	270x320	400x190	310x170	500x220	500x360	350x360	240x360	330x360	200x360	500x220
31037	SHI-LR-F 460x600	460	460	320	460	320		600x460	490x200	340x160	490x160	320x220	610x250	600x460	460x320	320x310	350x470	170x460	610x250

Automatic Bandsaw type A

Best
Quality

Made in
EU
★ ★ ★

Type A-CNC-LR-F is a highly efficient automatic hydraulically controlled band-saw with multiple material feed. The length and number of pieces are set on the control panel. The machine selects the number of feeds and performs the necessary calculations by itself. The system allows the selection from nine different settings for quick adjustment of lengths or automatic modification of lengths when sawing several dimensions from one bar. There is an automatic and a semiautomatic mode, where all movements are controlled independently. The machine is designed for vertical and angular cuts; angular cuts are steplessly adjustable from 0° to +60° right (in automatic mode) and from 0° to -45° left (in semiautomatic mode). Change of angle using quick clamping handle. It is suitable for serial production and thank to its robust construction enables to cut wide range of materials including stainless steel and hard steels both profiles and full materials.

- The arm of the machine is made of cast iron and designed to ensure precision of the cut.
- Arm is 25 degrees sloped, it increases the lifetime of blade. Arm is placed in adjustable bearings
- Cleaning brush for a perfect cleaning of the blade.
- The vice is made of cast iron and the jaws allow a safe grip
- The hydraulically controlled vice with short travel is situated in an adjustable dovetail groove
- The feeding vice is driven by the hydraulic cylinder on two grinded bars by teflon cases
- The feeder moves the material to be cut to the main vice according to length set on control panel
- A turntable gives a big place for supporting the material and a perfect clamping
- Drive of machine is solved by worm gear box with maintenance less oil filling
- Fluent regulation of the blade speed from 20 to 100 m/min



A-CNC-R-F 240 x 280

Art. no.	Motor	Speed	Blade size	Weight
	kw	m/min	mm	kg
31050	0,75 / 1,1	30 / 65	2450x27x0,9	550
31052	2,2	20 / 100	2980x27x0,9	800
31054	2,2	20 / 100	3660x27x0,9	940
31055	2,2	20 / 100	3660x27x0,9	1200
31056	2,2	20 / 100	3100x27x0,9	1200

Art. no.	Type	Round					Rectangle flat						Rectangle standing					
		90°	45°R	60°R	45°L	60°L	90°	45°R	60°R	45°L	60°L	Stack	90°	45°R	60°R	45°L	60°L	Stack
31050	A-CNC-R 220x250	220	160	90	-	-	230x190	160x90	90x90	-	-	120x120	130x190	140x190	80x160	-	-	120x120
31052	A-CNC-R-F 240x280	240	190	120	-	-	280x220	190x170	120x150	-	-	280x120	280x220	150x220	120x150	-	-	280x120
31054	A-CNC-F 300x320	300	300	200	-	-	320x300	300x250	200x200	-	-	230x120	310x270	-	-	-	-	310x160
31055	X-CNC-R-1500F	300	300	200	-	-	320x300	300x250	200x200	-	-	230x120	320x290	210x290	130x190	150x290	-	320x160
31056	A-CNC-LR-F 350x400	350	320	-	320	-	400x350	330x120	-	330x120	-	400x210	400x350	260x350	-	210x350	-	400x210

Twin-column bandsaw type Horizontal

Best
Quality

Made in
EU

A two-column semiautomatic band saw machine with a complete hydraulic controll. The two-column construction with linear bearings ensure max. precision and speed of blade. Turning for angle cuts up to 60 grades to the left and to the right. Type NC-2000 with 2000mm feeding.

To achieve longer lifetime and higher efficiency, the cutting arm are 7 degrees sloped. Vice are designed with divided jaws, which allows to clamp the material both in front and behind the cut.

The X versions, in the basic solution, offers 64-bits control system with possibilities of automatic regulation of the arm movement towards the cut, which depends on resistance of the material and electronic setting of upper and down position of the arm, at the display you can see cutting speed and the shift speed.

The control system is prepared for communication with other external accesories.

- The arm of the machine is made of cast iron and designed to ensure max. precision of the cut.
- Arm is 7 grades sloped, it increases the lifetime of blade.
- Arm of machine has a an automatic sensor for measuring position
- Cleaning brush for a perfect cleaning of the blade.
- The vice is made of cast iron and the jaws allow a safe grip
- The hydraulically controlled vice and table are standard
- The tension of blade is controlled automatically
- Machine is driven by worm gear box with maintenanceless oil filling
- The feeding vice is driven by the hydraulic cylinder on two grinded bars by teflon cases
- Fluent regulation of the blade speed from 20 to 100 m/min

Art. no.	Motor	Speed	Blade size	Weight
	kw	m/min	mm	kg
31100	4,0	20 / 100	6060x34x1,1	1685
31102	4,0	20 / 100	6060x34x1,1	3835
31103	4,0	20 / 100	6500x41x1,3	2000
31104	4,0	20 / 100	6500x41x1,3	2000
31105	4,0	20 / 100	6500x41x1,3	4150
31108	5,5	20 / 100	9000x54x1,6	5200



Horizontal 450x600

Art. no.	Type	Round					Rectangle flat						Rectangle standing					
		90°	45°R	60°R	45°L	60°L	90°	45°R	60°R	45°L	60°L	Stack	90°	45°R	60°R	45°L	60°L	Stack
31100	Horizontal 440x600 SHI	470	475	330	475	305	610x410	490x415	320x410	495x415	305x425	610x255	-	-	-	-	-	-
31102	440x600 X-NC-2000	470	475	330	475	305	610x410	490x415	320x410	495x415	305x425	610x255	-	-	-	-	-	-
31103	Horizontal 500x750 SHI	500	500	330	500	300	750x480	500x480	330x480	500x480	300x480	750x260	-	-	-	-	-	-
31104	Horizontal 500x750 X	500	500	330	500	300	750x480	500x480	330x480	500x480	300x480	750x260	-	-	-	-	-	-
31105	500x750 X-NC-2000	500	500	330	500	300	750x480	500x480	330x480	500x480	300x480	750x260	-	-	-	-	-	-
31108	Horizontal 600x1100 X	620	620	500	650	490	1100x600	750x600	500x600	740x600	470x600	1100x400	-	-	-	-	-	-

Twin-column bandsaw type Hercules

Best
Quality

Made in
EU
★★★

Hercules is a two-column band saw machines for vertical cuts, which is constructed with linear bearings. This solid machine is suitable for cutting of full materials with focus on the cutting performance.

The X versions, in the basic solution, offers 64-bits control system with possibilities of automatic regulation of the arm movement towards the cut, which depends on resistance of the material and electronic setting of upper and down position of the arm, at the display you can see cutting speed and the shift speed.

The control system is prepared for communication with other external accessories.

Type Hercules can be supplied with CNC control, which allows for many types of programming.

Type X-VS are equipped with double moveable vices.

- The arm of the machine is made of cast iron and designed to ensure max. precision of the cut.
- Arm moves on two columns on four row linear leadings, with a very high loading capacity
- Arm has an automatic sensor for measuring position
- Material is clamped both in front and behind the cuttin line
- The vice is made of cast iron and the jaws allow a safe grip.
- Hydraulic operated vice
- The tension of blade is controlled automatically
- Automatic speed adjustment
- Fluent regulation of the blade speed from 20 to 100 m/min



Herkules X 510x510

Art. nr.	Type	Round	Rectangle flat		Rectangle standing		Motor	Speed	Blade size	Weight
		90°	90°	Stack	90°	Stack	kw	m/min	mm	kg
31018	Profi 400 SHI	410	400x400	400x340	400x400	400x340	3	20 / 100	4520x34x1,1	940
31019	Profi A-CNC 400	410	400x400	400x340	400x400	400x340	3	20 / 100	4520x34x1,1	1300
31020	Profi X 550	650	1300x550	1300x450	-	-	7,5	20 / 100	9000x54x1,6	5750
31021	Profi X 700	700	1400x700	1400x600	-	-	7,5	15 / 85	9360x54x1,6	5810
31137	Herkules X-CNC 300x300	300	300x300	300x220	-	-	3	20 / 100	4520x34x1,1	1420
31124	Herkules X 400x400	400	400x400	400x250	-	-	4	20 / 100	5580x41x1,2	1950
31125	Herkules X-CNC 400x400	400	400x400	400x250	-	-	4	20 / 100	5580x41x1,3	2740
31126	Herkules X-S 510x510	510	500x720	500x450	-	-	7,5	15 / 80	6060x54x1,6	5020
31127	Herkules X 510x510	510	510x560	500x490	-	-	7,5	15 / 80	6060x54x1,6	4830
31134	Herkules X-CNC 510x510	510	510x560	500x490	-	-	7,5	15 / 80	6060x54x1,6	6220
31128	Herkules X 700x750	700	750x700	750x450	-	-	11	15 / 80	7680x67x1,6	5950
31129	Herkules X-CNC 700x750	700	750x700	750x450	-	-	11	15 / 80	7680x67x1,6	12500
31130	Herkules X 850x1000	850	1010x850	1010x610	-	-	12,5	15 / 80	9080x67x1,6	10100
31131	Herkules X CNC 850x1000	850	1000x850	1000x480	-	-	11	15 / 80	9080x67x1,6	16500
31138	Herkules X-VS 850x1000	850	1010x850	1010x610	-	-	11	15 / 80	9490x67x1,6	8100
31132	Herkules X 1200x1400	1200	1200x1400	1200x800	-	-	11	15 / 80	11650x80x1,6	25000
31135	Herkules X-CNC 1200x1400	1200	1200x1400	1200x800	-	-	11	15 / 80	11650x80x1,6	25000

Twin-column bandsaw type Toppspeed

Best
Quality

Made in
EU
★★★★

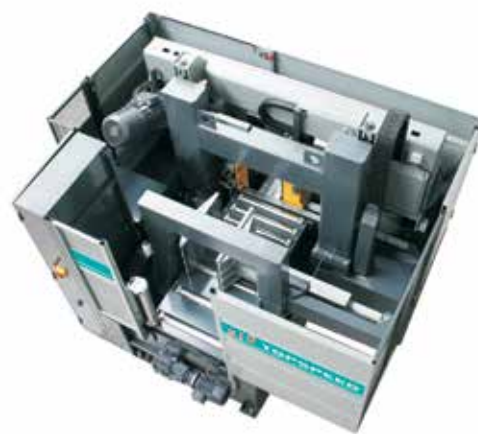


Toppspeed 510x510

Type Toppspeed is like Hercules built with a twin-column design, with full hydraulic steering. The construction of dual column and linear guides, ensures maximum precision and speed. Type Toppspeed is also with a fixed 90 degree angle and therefore designed for difficult vertical task.

The machine is built in an extremely strong construction, with a very solid base and 2 robust columns placed closely to the vice, for minimal vibration. Toppspeed is standard with complete concealed workingarea so that the operator is fully protected.

- The arm of the machine is made of cast iron and designed to ensure max. precision of the cut.
- Arm moves on two columns with a very high loading capacity
- Arm has an automatic sensor for measuring position
- Material is clamped both in front and behind the cuttin line
- The vice is made of cast iron and the jaws allow a safe grip.
- Hydraulic operated vice
- The tension of blade is controlled automatically
- Automatic speed adjustment
- Powerful planetgear
- Fluent regulation of the blade speed from 20 to 150 m/min



Art. no.	Motor	Speed	Blade size	Weight
	kw	m/min	mm	kg
31140	11,0	20 / 150	6060x54xx1,6	5800

Art. no.	Type	Round					Rectangle flat						Rectangle standing					
		90°	45°R	60°R	45°L	60°L	90°	45°R	60°R	45°L	60°L	Stack	90°	45°R	60°R	45°L	60°L	Stack
31140	Topspeed 510x510	510	-	-	-	-	510x510	-	-	-	-	510x490	510x510	-	-	-	-	510x490

Twin-column bandsaw type Golem & Portal

Best
Quality

Made in
EU
★ ★ ★



Type Golem and Portal are both designed as a Twin-column construction. The machine is constructed, so vibrations remain at a minimum, ensuring a consistently perfect results. The table is moved by an independent drive, with a variable speed regulation.

The machines are driven by a powerful planetary gear, which ensures optimum performance. Saw bow is made of cast iron, so perfect strength and precision are achieved. Arm is equipped with sensors for measuring position. Hydraulic adjustment of blade tension.

Art. no.	Motor	Speed	Blade size	Weight
	kw	m/min	mm	kg
31150	12,5	15 / 80	9080x67x1,6	14570
31151	12,5	15 / 80	11650x67x1,6	30350
31152	12,5	15 80	11650x80x1,6	20000

Art. no.	Type	Round					Rectangle flat						Rectangle standing					
		90°	45°R	60°R	45°L	60°L	90°	45°R	60°R	45°L	60°L	Stack	90°	45°R	60°R	45°L	60°L	Stack
31150	Golem 850x1000	850	-	-	-	-	850x1000	-	-	-	-	-	850x2000	-	-	-	-	-
31151	Golem 1200x1600	1200	-	-	-	-	1200x1600	-	-	-	-	-	1600x1300	-	-	-	-	-
31152	Portal 1250x1600	1250	-	-	-	-	1250x1600	-	-	-	-	-	1600x1000	-	-	-	-	-

Twin-column bandsaw type Camel

Best
Quality

Made in
EU
★ ★ ★



Type Camel is built around a double column construction. The machine is designed so vibrations remain at a minimum, ensuring a consistently perfect results. Type Camel is specially designed for tube cutting of large dimensions or bundles.

X version offers at the basic solution, 64bit control with the possibility of automatic adjustment of arm movements. The control system is also prepared for communication with other devices.

Type Camel can additionally be supplied with CNC control, which allows for many types of programmings.

The machines is driven by a powerful planetary gear, which ensures optimum performance. Saw bow is made of cast iron, so strength and precision are achieved. Arm is equipped with sensors for measuring position.

Art. no.	Type	Round	Rectangle flat		Rectangle standing		Motor	Speed	Blade size	Weight
		90°	90°	Stack	90°	Stack	kw	m/min	mm	kg
31170	Camel Ø600	600	600x480	600x415	600x510	600x415	4	20 / 100	6230x41x1,3	2580
31171	Camel X Ø600	600	600x500	600x415	-	-	4	20 / 100	6230x41x1,3	2580
31172	Camel X CNC-2000 Ø600	600	600x480	600x415	66x510	600x415	4	20 / 100	6230x41x1,3	3930
31175	Camel X 1000	1000	1000x960	1000x650	-	-	7,5	20 / 100	8920x54x1,6	6040
31176	Camel X CNC 1000 4M	1000	1000x960	1000x650	-	-	7,5	20 / 100	8920x54x1,6	9400-12200
31177	Camel X CNC 1000 8M	1000	1000x960	1000x650	-	-	7,5	20 / 100	8920x54x1,6	9400-12200
31178	Camel X CNC 1000 12M	1000	1000x960	1000x650	-	-	7,5	20 / 100	8920x54x1,6	9400-12200

IBARMIA drilling machine type K

Best
Quality

Made in
EU
★★★

- Motor integrated in frame
- Micro switch for main unit
- High quality pulleys in cast iron and aluminum
- Reversal as optional
- High / Low speed switch on front
- Digital depth scale and adjustable depthstop located on the front
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Complete chuckguard with vertical adjustment
- Spindle reversing switch
- Emergency stop



KS-18



KM-25



KL-25

Ibarmia drilling machines type K, are belt driven machines with manual feed, made in a very solid construction. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type K comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum and ensures type K a perfect mix of value for money. Type K is offered in both (S, Bench Model) small, (M, Bench Model) between and (L) heavy version.

Optional

- Floor Cabinet with 2 shelves
- Floor Cabinet with drawer and cupboard
- Rotating table, only (M) & (L)
- Coordinate table, only (L)
- Cooling System
- Electronic variator
- Reversible and tilting table with vice, only (L)
- Digital RPM read out, only with electronic variator
- Hydro-pneumatic feeding unit
- Automatic reversing for tapping, only with electronic variator

Art. no.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16700	KS-18	18	120	M14	3	10 / 200-4000	270x270	100	250	0,55	125
16701	KM-18	18	120	M14	3	10 / 200-4000	300x270	100	250	0,55	150
16702	KL-18	18	120	M14	3	10 / 200-4000	300x270	100	250	0,55	175
16703	KS-25	25	120	M18	3	10 / 200-4000	270x270	100	250	0,8	125
16704	KM-25	25	120	M18	3	10 / 200-4000	300x270	100	250	0,8	150
16705	KL-25	25	120	M18	3	10 / 200-4000	300x270	100	250	0,8	175

IBARMIA drilling machine type T

Best
Quality

Made in
EU
★★★

- Reversal as optional
- High / Low speed switch on front
- Thermal Magnetic safety switch
- Digital depth scale and adjustable depthstop located on the front
- Automatic ejection of tool
- Complete chuckguard with vertical adjustment
- Emergency stop



TL-25

Ibarmia drilling machines type T, are gearedriven machines with manual feed, made in a very solid construction. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type T comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum. Type T is offered in both (S, Bench Model) small, (M, Bench Model) between and (L) heavy version.

Optional

- Floor Cabinet with 2 shelves
- Floor Cabinet with drawer and cupboard
- Rotating table, only (M) & (L)
- Coordinate table, only (L)
- Cooling System
- Electronic variator
- Reversible and tilting table with vice, only (L)
- Cooling system
- Hydro-pneumatic feeding unit
- Automatic reversing for tapping, only with electronic variator

Art. no.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16720	TS-18	18	120	M14	3	8 / 75-2800	270x270	100	250	0,8	135
16721	TM-18	18	120	M14	3	8 / 75-2800	300x270	100	250	0,8	165
16722	TL-18	18	120	M14	3	8 / 75-2800	300x270	100	250	0,8	185
16723	TS-25	25	120	M18	3	8 / 75-2800	270x270	100	250	1,1	135
16724	TM-25	25	120	M18	3	8 / 75-2800	300x270	100	250	1,1	165
16725	TL-25	25	120	M18	3	8 / 75-2800	300x270	100	250	1,1	185

IBARMIA drilling machine type IZ

Best
Quality

Made in
EU
★★★

- Depth scale and adjustable depth stop
- Automatic tool ejector
- Low voltage electric equipment
- Security microswitch on cover
- Emergency stop push button
- Spindle reversing switch
- Electric equipment integrated on machine head
- Safety drill guard with microswitch
- Table with T-slots
- Automatic feed reversing system for tapping (optional to IZ-32)
- 3 feed rates of 0.1-0.2-0.3 mm / rev (Type IZA)
- Type IZ-40 and IZA-40 variable speed adjustment by mechanical varia
- Type IZ-35 and IZA-35 variable speed adjustment by inverter



IZA-40

Ibarmia drilling machines type IZ, are beltdriven machines with manual and automatic feed, made in a very solid construction. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type IZ comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum.

Type IZ with manual feed, and type IZA with automatic feed.

Optional

- Rotating table with tilt function
- Cooling system in base
- Worklight
- Automatic feed reversing system for tapping

Art. no.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16860	IZ-32	32	120	M20	MT3	(10) 245-4000	300x270	100	250	2,2	260
16862	IZ-35	35	150	M27	MT4	100-2000	400x420	125	300	2,95	345
16864	IZA-35	35	150	M27	MT4	100-2000	400x420	125	300	2,95	360
16866	IZ-40	40	150	M30	MT4	80-1170	400x420	125	300	2,2	295
16868	IZA-40	40	150	M30	MT4	80-1170	400x420	125	300	2,2	295

IBARMIA drilling machine type IX

Best
Quality

Made in
EU
★★★

- Rotating table with tilt function (IXA-50)
- Spindle reversing switch
- Automatic tool ejector
- Thermomagnetic switch
- Low voltage electric equipment
- Emergency stop push button
- Electric equipment integrated on machine head
- Safety drill guard with microswitch
- Table with T-slots
- 2 feed rates type 0,1 & 0,2 mm/rev (Type IXA-32)
- 3 feed rates type 0,1;0,2;0,3 mm/rev (Type IXA-40 and IXA-50)



IXA-50

Ibarmia drilling machines type IX, are geared driven machines with manual and automatic feed, made in a very solid construction. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type IX comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum. Type IX with manual feed, and type IXA with automatic feed.

Optional

- Rotating table with tilt function
- Cooling system in base
- Worklight
- Automatic feed reversing system for tapping

Art. no.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MK	Omdr/min	mm	mm	mm	kw	kg
16870	IX-32	32	120	M24	MK3	(8) 65-3060	300x270	100	250	2,2	260
16872	IXA-32	32	120	M24	MK3	(8) 65-3060	300x270	100	250	2,2	260
16874	IXA-40	40	150	M30	MK4	(9) 132-1852	400x420	125	300	2,2	400
16876	IXA-50	50	180	M35	MK5	(9) 132-1852	480x480	150	350	2,95	490

IBARMIA drilling machine type Z-32

Best
Quality

Made in
EU

- Automatic feed, type AZ-32V
- 2 feed rates of 0.1-0.2 mm / rev
- Digital depth scale and adjustable depthstop located on the front
- Motor integrated into frame
- High quality pulleys in cast iron and aluminum
- High / Low speed switch on front
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Built-in cooling system
- Work light
- Complete chuckguard with vertical adjustment
- Emergency stop

AZ-32V
Reversible and tilting
table with vice
(Optional)



Ibarmia drilling machines type Z-32 are belt driven machines with manual or automatic feed. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type Z comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum.

Type Z-32 is offered with manual feed (SZ-32) and automatic feed (AZ-32, with variator)

Optional

- Rotating table
- Rotating table with tilt function
- Reversible and tilting table with vice
- Coordinate table
- Hydro-pneumatic feeding unit
- Automatic reversing for tapping
- Digital RpM read out

Art.No.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16740	SZ-32	32	150	M22	3	10 / 145-1720	480x400	125	300	1,3	260
16741	AZ-32V	32	150	M22	3	80-1170	480x400	125	300	1,3	290

IBARMIA drilling machine type Z

Best
Quality

- Automatic Feed Type A & B
- 3 feed rates 0,1-0,2-0,3 mm / rev
- Engine integrated into frame
- High quality pulleys in cast iron and aluminum
- Automatic reversing
- High / Low speed switch on front
- Variable speed adjustment by potentiometer with DRO
- Digital depth scale and adjustable depthstop located on the front
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Built-in cooling system
- Work light
- Complete chuckguard with vertical adjustment
- Emergency stop



AZ-34

Ibarmia drilling machines type Z, are belt driven machines with manual, mechanical, or electromagnetic feed. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type Z comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum. All models with electronic variator. Type Z is available with manual feed (S), mechanical feed (A) and electromagnetic feed (B).

Optional

- Rotating table
- Rotating table with tilt function
- Reversible and tilting table with vice
- Coordinate table
- Hydro-pneumatic feeding unit
- Digital RpM read out

Art.No.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16742	SZ-34	34	150	M27	4	100-2000	400x480	125	300	2,2	345
16743	AZ-34	34	150	M27	4	100-2000	400x480	125	300	2,2	360
16744	BZ-34	34	150	M27	4	100-2000	400x480	125	300	2,2	370
16745	SZ-40	40	180	M33	4	100-2000	480x560	150	350	3	445
16746	AZ-40	40	180	M33	4	100-2000	480x560	150	350	3	460
16747	BZ-40	40	180	M33	4	100-2000	480x560	150	350	3	470

IBARMIA drilling machine type X

Best
Quality

Made in
EU

★★★



AX-32

- 9 speeds
- Automatic Feed Type A & B
- 3 feed rates 0,1-0,2-0,3 mm / rev
- Drilling depth and adjustable depthstop located on the front
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Built-in cooling system
- Work light
- Hardened and grounded high quality steel gears
- Complete chuckguard with vertical adjustment
- Emergency stop



SX-32

Ibarmia drilling machines type X are powerful gear-driven machines with manual, mechanical, or electromagnetic feed. Type X-32 is only available with manual or mechanical feed. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type Z comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum.

Type X is offered with manual feed (S), mechanical feed (A) and electromagnetic feed (B).

Optional

- Rotating table
- Rotating table with tilt function
- Reversible and tilt adjustable table with vice
- Coordinate table
- Automatic reversing for tapping
- Special spindle device for automatic thread cutting cycle
- Hydro-pneumatic feeding unit
- external cooling system
- Automatic drilling cycle
- Automatic drilling cycle particularly for pipes and profiles
- Automatic thread cutting cycle
- Automatic thread cutting cycle
- 100mm quick pneumatic rapid traverse

Art.No.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16760	SX-32	32	150	M18	3	9 / 104-1450	480x400	125	300	0,75	315
16761	AX-32	32	150	M22	3	9 / 104-1450	480x400	125	300	1,1	330
16762	SX-34	34	150	M27	4	9 / 132-1852	400x480	125	300	1,5	385
16763	AX-34	34	150	M27	4	9 / 132-1852	400x480	125	300	1,5	400
16764	BX-34	34	150	M27	4	9 / 132-1852	400x480	125	300	1,5	410
16765	SX-40	40	180	M33	4	9 / 132-1852	480x560	150	350	2,2	475
16766	AX-40	40	180	M33	4	9 / 132-1852	480x560	150	350	2,2	490
16767	BX-40	40	180	M33	4	9 / 132-1852	480x560	150	350	2,2	500

IBARMIA drilling machine type A

Best
Quality

Made in
EU
★ ★ ★

- 9 speeds
- 4 feed rates 0,1-0,2-0,3-0,4 mm / rev
- Rotating worktable
- Drilling depth and adjustable depthstop located on the front
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Built-in cooling system
- Work light
- Hardened and grounded high quality steel gears
- Complete chuckguard with vertical adjustment
- Emergency stop



Ibarmia drilling machines type A, are powerful gear-driven machines with mechanical automatic feed. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type A comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum. Type A is standard with mechanical feed.

Optional

- Rotating table with tilt function
- Automatic reversing for tapping
- Special spindle device for automatic thread cutting cycle
- Hydro-pneumatic feeding unit
- reduced feed rate
- Automatic drilling cycle
- Automatic drilling cycle particularly for pipes and profiles
- Automatic thread cutting cycle
- Automatic thread cutting cycle
- 100mm quick pneumatic rapid traverse

Art.No.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16780	A-40	40	200	M33	4	9 / 61-1169	560x480	180	385	2,2	610
16781	A-50	50	230	M36	4	9 / 54-1032	620x520	200	370	3	710

IBARMIA drilling machine type B

Best
Quality

Made in
EU
★ ★ ★

- 9-speed (12 speeds for the B-60 and B-70)
- 4 feed rates
Type B 40 / 0,1-0,2-0,3-0,4 mm / rev
- 6 feed rates
Type B-50, B-60 and B-70 / 0,1-0,2-0,3-0,4-0,5-0,6 mm / rev
- Rotating worktable
- Drilling depth and adjustable depthstop located on the front
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Built-in cooling system
- Work light
- Hardened and grounded high quality steel gears
- Complete chuckguard with vertical adjustment
- Emergency stop



B-50

Ibarmia drilling machines presses type B, are powerful gear-driven machines with electromagnetic automatic feed. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type B comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum.

Type B is provided with electromagnetic feed.

Optional

- Rotating table with tilt function
- Automatic reversing for tapping
- Hydro-pneumatic feeding unit
- reduced feed rate
- Special spindle device for automatic thread cutting cycle
- Automatic drilling cycle
- Automatic drilling cycle particularly for pipes and profiles
- Automatic thread cutting cycle
- Automatic thread cutting cycle
- 100mm quick pneumatic rapid traverse

Art.No.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16800	B-40	40	200	M33	4	9 / 61-1169	560x480	180	385	2,2	610
16801	B-50	50	230	M36	4	9 / 54-1032	620x520	200	370	3	720
16802	B-60	60	260	M42	5	12 / 64-1210	700x600	220	400	4	820
16803	B-70	70	260	M50	5	12 / 51-966	700x600	220	400	5,5	840

IBARMIA drilling machine type C

Best
Quality

Made in
EU
★★★

- Automatic reversing for tapping
- Variable adjustment of speed
- Rotating worktable
- 4 feed rates
- Feed rates 0,1-0,2-0,3-0,4 mm / rev
- Drilling depth and adjustable depthstop located on the front
- Digital RpM Read out
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Built-in cooling system
- Work light
- Hardened and grounded high quality steel gears
- Complete chuckguard with vertical adjustment
- Emergency stop



BC-50V

Ibarmia drilling machines type C are powerful machines with combined gear and belt driven transmission. Type C are supplied with electromagnetic automatic feed, and mechanical or electronic variator. The machines have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type C comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum.

Type C is available with either electronic (type VE) or mechanical (type V) variator.

Optional

- Rotating table with tilt function
- reduced feed rate

Art.No.	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Column dia.	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	mm	kw	kg
16820	BC-40V	40	200	M36	4	60-1500	560x480	180	385	3	660
16821	BC-40VE	40	200	M36	4	30-1500	560x480	180	385	3	660
16822	BC-50V	50	200	M42	4	60-1500	620x520	200	370	4	760
16823	BC-50VE	50	200	M42	4	30-1500	620x520	200	370	4	760

IBARMIA prismatic drilling machine type P

Best
Quality

- 9 to 12 spindle speeds
- Automatic feed
- 6 feed rates 0,1-0,2-0,3-0,4-0,5-0,6 mm / rev
- Vertical motorized positioning of drill head
- Drilling depth and adjustable depthstop located on the front
- Right / Left movement
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Built-in cooling system
- Work light
- Complete chuckguard with vertical adjustment
- Emergency stop



EBP-70

Ibarmia prismatic drilling machine type P are powerful gear-driven machines, designed for high productivity and precision. Type P is particularly suitable for industrial use, due to the strong dimensioning of the machine. Type P drilling machines are standard with automatic feed by electromagnetic clutch. Type P have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type P comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum.

Ekstraudstyr

- Automatic reversing for tapping
- Special spindle device for automatic thread cutting cycle
- Hydro-pneumatic feeding unit
- reduced feed rate
- Automatic drilling cycle
- Automatic drilling cycle particularly for pipes and profiles
- Digital readout of table position
- Cross table
- Pneumatic counterbalance of spindle
- ISO 40 (BP-50)
- ISO 50 (BP-70)
- Automatic thread cutting cycle
- Automatic thread cutting cycle
- 100mm quick pneumatic rapid traverse

Art.No	Type	Capacity	Drilling depth	Tapping capacity	Morse taper	Speed range	Working table	Distance spindle to column	Motor	Weight
		mm	mm		MT	RpM	mm	mm	kw	kg
16830	EBP-50	50	230	M33	4	9 / 54-1032	700x600	475	4	1400
16831	EBP-70	70	260	M64	5	12 / 51-966	900x700	525	7,3	1850

IBARMIA prismatic drilling machine type F

Best
Quality

Made in
EU
★★★

- Automatic feed
- 3 feed rates 0,1-0,2-0,3 mm / rev
- Vertical motorized positioning of drill head
- Swivel drilling / milling head
- Thermal Magnetic safety switch
- Automatic ejection of tool
- Coordinate table
- Built-in cooling system
- Work light
- Right / Left movement
- Complete chuckguard with vertical adjustment
- Emergency stop



EBF-35

Ibarmia prismatic drilling machine type F are powerful gear-driven machines, designed for high productivity and precision. Type F is particularly suitable for industrial use, due to the strong dimensioning of the machine. Type F drilling machines are standard with automatic feed by electromagnetic clutch. Type F have a user-friendly design, which ensures that the operator has collected all levers and switches in a clear manner. Type F comes with extensive standard equipment, and have lot of optional equipment available. Maintenance is kept to an absolute minimum.

Optional

- Automatic reversing for tapping
- Digital readout of table position
- Motorized feed X-axis
- Motorized feed Y axis
- Morse taper MK4
- Quick tool change ISO30

Artikel nr.	Type	Bore-kapacitet	Fræse-kapacitet	Bore-dybde	Gevind-skærings-kapacitet	Spindel-konus	Omdrejninger	Bordets arbejdsflade	Afstand Spindel/søjle	Motor	Vægt
		mm	cm ³ /min	mm		ISO	Omdr/min	mm	mm	kw	kg
16840	EBF-35	35	45	200	M30	30	18 / 75-2375	1200x360	383	1,5	1250

Drilling machines type Kap 25

Best
Quality

Made in
EU
★ ★ ★



Drilling machine type Kap 25 is a perfect mix of price and quality. The machine is using helical gears in steel in combination with fibergear wheels, which ensures a quiet and powerful transmission. Drilling head and table can be adjusted 360° around the column and be raised / lowered as needed. The machine is equipped with thermal overload protection. Worktable is equipped with T-slots.

Type Kap 25 is also offered as a bench drilling machine. Both models with manual feed.

Accessories

- Tool package MT 3
- Coolant complete with tubes
- Manual reversing
- Machine light Halogen, 24 V

Art. No.	Type	Drilling capacity	Spindle stroke	Tapping capacity	Spindle taper	Speed range	Table dimensions	Motor	Weight
		mm	mm			o/m	mm	kw	kg
17235	Kap 25	25	135	M16	MK3	105-2900	500x350	0,9	195
17236	Kap 25 B	25	135	M16	MK3	105-2900	500x350	0,9	150

Drilling machines type A2608

Best
Quality

Made in
EU
★ ★ ★



A 2608



A 2608B



A 2608M

ARBOGA A2608 has a drilling capacity of 25mm. The gearbox is built according to our experienced methods for highest possible torque. Helical gears combined with steel gears against reinforced fibre gears in the main gear box ensure higher operation efficiency, a more powerful drive mechanism and smooth operation. Both the drill head and the table arm are adjustable 360° around the column and can be raised and lowered.

ARBOGA A2608M: When the set drill depth is reached, the spindle will automatically return to the starting point. The feed gear box is provided with an automatic overload protection device, which intervenes when the drill pressure is too high. The feed can also be interrupted manually. Chuck guard with micro switch is standard for machines within CE area. Is also available as bench drilling machine.

Accessories

- Tool package MT 3
- Automatic reversing unit for tapping, type (M) only
- Coolant complete with tubes
- Hand reversing switch
- Machine light Halogen, 24 V
- Connection cable. 5 m. with 16 A CE
- Microswitch for chuckguard
- Foot operated start / stop switch
- Machined baseplate
- DRO for depth stop
- Threaded spindle nose w. locking nut
- Coordinate table type FB 102.
- Milling chuck MT 3; 6, 8, 10, 12, 16 mm
- Drill chuck with arbor 0 - 13 mm, MT 3
- Drill chuck with arbor 3 - 16 mm, MT 3
- Special paint

Art. No	Type	Drilling capacity	Spindle stroke	Tapping capacity	Spindle taper	Number of speeds	Speed range	Distance spindle / column	Table dimensions	Motor	Weight
		mm	mm				o/m	mm	mm	kw	kg
17100	2608	25	135	M16 / M20	MT3	8	105-2900	255	500x400	0,9	200
17101	2608 B	25	135	M16 / M20	MT3	8	105-2900	255	500x400	0,9	
17102	2608 T	25	135	M16 / M20	MT3	8	105-2900	255	500x400	0,9	200
17103	2608 M	25	135	M16 / M20	MT3	8	105-2900	255	500x400	0,9	200
17104	2608 BM	25	135	M16 / M20	MT3	8	105-2900	255	500x400	0,9	200

Drilling machines type A3008

Best
Quality

Made in
EU
★★★



A 3008



A 3008B



A 3008M

ARBOGA A3008 has a drilling capacity of 30mm. Helical gears combined with steel gears against reinforced fibre gears in the main gear box ensures higher operation efficiency, a powerful drive mechanism and smooth operation. A 3008 is standard-equipped with a handreversing switch. Both the drill head and the table arm are adjustable 360° around the column and can be raised and lowered.

ARBOGA A3008M: When the set drill depth is reached, the spindle will automatically return to the starting point. The feed gear box is provided with an automatic overload protection device, which intervenes, when the drill pressure is too high. The feed can also be interrupted manually.

Chuck guard with micro switch is standard for machines within CE area.

Is also available as bench drilling machine.

Accessories

- Tool package MT 3
- Automatic reversing unit for tapping
- Coolant complete with tubes
- Machine light Halogen, 24 V
- Connection cable. 5 m. with 16 A CE
- Microswitch for chuckguard
- Foot operated reversing switch
- Foot operated start / stop switch
- Threaded spindle nose w. locking nut
- Coordinate table type FB 102.
- Milling chuck MT 3; 6, 8, 10, 12, 16 mm
- Drill chuck with arbor 0 - 13 mm, MT 3
- Drill chuck with arbor 3 - 16 mm, MT 3
- Special paint

Art. No	Type	Drilling capacity	Spindle stroke	Tapping capacity	Spindle taper	Number of speeds	Speed range	Distance spindle / column	Table dimensions	Motor	Weight
		mm	mm				o/m	mm	mm	kw	kg
17130	3008	30	150	M18 / M22	MT3	8	75-3010	320	500x400	1,2	260
17131	3008 M	30	150	M18 / M22	MT3	8	75-3010	320	500x400	1,2	260
17132	3008 B	30	150	M18 / M22	MT3	8	75-3010	320	500x400	1,2	
17133	3008 BM	30	150	M18 / M22	MT3	8	75-3010	320	500x400	1,2	260

Drilling machines type A3808

Best
Quality

Made in
EU



A 3808M

ARBOGA A3808 has a drilling capacity of 35mm. The gear box is built according to our experienced methods for highest possible torque. Both the drill head and the table arm are adjustable 360° around the column and can be raised and lowered. A 3808 is standard-equipped with a hand-reversing switch.

ARBOGA A3808M: When the set drill depth is reached, the spindle will automatically return to the starting point. The feed can also be interrupted manually. The feed gear box is provided with an automatic overload protection device, which intervenes, when the drill pressure is too high.

ARBOGA A3808ELM: Start/Stop of the automatic feed is handled by buttons at the top of the feed lever. Hand and automatic reversing for tapping are standard.

Chuck guard with micro switch is standard for machines within CE area

Accessories

- Tool package MT 4
- Automatic reversing unit for tapping, type (M) only
- Coolant complete with tubes
- Machine light Halogen, 24 V
- Connection cable. 5 m. with 16 A CE
- Microswitch for chuckguard
- Foot operated reversing switch
- Foot operated start / stop switch
- Threaded spindle nose w. locking nut
- Flanged quill for multi spindle drill head
- Coordinate table type FB 102.
- Milling chuck MT 4; 6, 8, 10, 12, 20 mm
- Drill chuck with arbor 0 - 13 mm, MT 4
- Drill chuck with arbor 3 - 16 mm, MT 4
- Special paint

Art. No	Type	Drilling capacity	Spindle stroke	Tapping capacity	Spindle taper	Number of speeds	Speed range	Distance spindle / column	Table dimensions	Motor	Weight
		mm	mm				o/m	mm	mm	kw	kg
17160	3808	35	150	M18 / M22	MT4	8	75-3010	320	500x400	2	290
17161	3808 M	35	150	M18 / M22	MT4	8	75-3010	320	500x400	2	290
17162	3808 ELM	35	150	M18 / M22	MT4	8	75-3010	320	500x400	2	290

Drilling machines type A4008

Best
Quality

Made in
EU
★★★



ARBOGA A4008 has a drilling capacity of 40mm. The gear box is built according to our experienced methods for highest possible torque. The drill head is fixed on top of the column. The table arm is adjustable 360° around the column and can be raised and lowered.

ARBOGA A4008M: When the set drill depth is reached, the spindle will automatically return to the starting point. The feed can also be interrupted manually. The feed gear box is provided with an automatic overload protection device, which intervenes, when the drill pressure is too high.

ARBOGA A4008ELM: Start / Stop of the automatic feed are handled by buttons at the top of the feed lever. Hand and automatic reversing for tapping are standard.

Chuck guard with micro switch is standard for machines within CE area.

Accessories

- Tool package MT 4
- Automatic reversing unit for tapping
- Coolant complete with tubes
- Machine light Halogen, 24 V
- Microswitch for chuckguard
- Rectangular table 600 x 500 mm
- Rotary device for table 400 x 500 mm
- Foot operated start / stop switch
- Threaded spindle nose w. locking nut
- Low spindle speeds, 60 - 980 rpm
- High spindle speeds, 180 - 3000 rpm
- 3-spoke handle
- Milling table FB 102 (instead of standard table)
- Milling chuck ER MT 4; 6, 8, 10, 12, 20 mm

Art. No	Type	Drilling capacity	Spindle stroke	Tapping capacity	Spindle taper	Number of speeds	Speed range	Distance spindle / column	Table dimensions	Motor	Weight
		mm	mm				o/m	mm	mm	kw	kg
17190	4008	40	190	M24 / M28	MT4	8	90-1500	330	500x400	2,6	320
17191	4008 E	40	190	M24 / M28	MT4	8	90-1500	330	500x400	2,6	320
17192	4008 ELM	40	190	M24 / M28	MT4	8	90-1500	330	500x400	2,6	320

Uni. Drilling/milling machine type A2508U

Best
Quality

Made in
EU
★★★



ARBOGA A2508U is a 25 mm universal milling- / drilling machine. The gearbox is built according to our experienced methods for highest possible torque.

The machine is equipped with a coordinate table with 3 T-slots and coolant channel. Special option: automatic longitudinal feed. There is a wheel on the front of the drill for fine feed. The fine feed ensures a smooth and accurate setting of the cutting depth during milling. When milling, the quill can be locked in the desired position. The machine is suitable for drilling, broaching, tapping and milling. The drill head can be raised and lowered and turned 0-45° vertically to either side. The angular position can be adjusted towards a graduated scale.

Chuck guard with micro switch is standard for machines within CE area.

Accessories

- Tool package MT 3
- Automatic longitudinal feed FB 102
- Coolant complete with tubes
- Machine light Halogen, 24 V
- Foot operated reversing switch
- Milling chuck MT 3; 6, 8, 10, 12, 16 mm

Art. No	Type	Drilling capacity	Spindle stroke	Tapping capacity	Spindle taper	Number of speeds	Speed range	Distance spindle / column	Table dimensions	Motor	Weight
		mm	mm				o/m	mm	mm	kw	kg
17220	2508U	25	135	M16 / M20	MT3	8	105-2900	258	582x242	0,9	270

Drilling machines type BM

Best
Price



BM 25



BM 28A



BM 40A

Drilling machine BM Using helical gears in steel in combination with fiber- gearwheels a very strong and noiseless transmission is obtained.

Drill head and table can rotate 360° and can be elevated up and down. Type BM 40A with fixed drill head.

Large table of cast iron with T-slots and coolant channel. Machine base with T-slots, however not on BM 25.

The dimension of the steel column secures a high rigidity which means a minimizing of the outward curve between drill and worktable. Standard delivered with drill chuck and chuck guard with safety switch.

Data		BM 25	BM 28A	BM 40A
Art. No.		17000	17030	17050
Drilling capacity	mm	25	28	40
Tapping capacity	mm	-	-	-
Numbe of speeds		8	8	8
Speed range	o/m	105-2900	105-2900	90-1500
Spindle taper		MT 3	MT 3	MT 4
Aut. spindle feed		-	3	3
Spindle feed speed	mm/rpm	-	0,1-0,33	0,1-0,33
Spindle stroke	mm	135	150	190
Distance spindle / column	mm	255	320	330
Coloumn diameter	mm	Ø 100	Ø 105	Ø 140
Table dimensions	mm	500 x 350	500 x 350	500 x 400
Distance spindle / table	mm	905	890	820
Distance spindle / base	mm	1210	1235	1210
Motor	Kw	0,65 / 0,90	0,90 / 1,2	2,2
Overall height	mm	1710	1750	2060
Weight	Kg	190	255	310

Drillings machines type TBM - table model

Best
Price



TBM 13



TBM 16



TBM 20

Drilling machine TBM are powerful belt-driven machines with motors and pulleys constructed in aluminium. Quick action drill chuck and chuck guard are standard. Table can rotate and height adjustment with rack and pinion.

Type TBM are designed to be used on table



Data		TBM 13	TBM 16	TBM 20
Art. No.		17502	17512	17517
Drilling capacity	mm	13	16	20
Number of speeds		5	12	12
Speed range	RpM	600-2600	230-2730	280-2300
Spindle taper		B16	MT2	MT3
Drill chuck	mm	1-13	3-16	3-16
Spindle stroke	mm	50	80	85
Spindle to column	mm	104	168	215
Column diameter	mm	48	70	80
Table size	mm	160x160	265x265	285x285
Motor	Kw	0,25	0,37	0,55
Overall height	mm	590	975	1050
Voltage	Volt	230	230	230
Weight	Kg	17	36	61

Drilling machines type KBM - floor model

Best
Price



KBM 25



KBM 32

Data		KBM 25	KBM 32
Art. No.		17602	17612
Drilling capacity	mm	25	32
Number of speeds		12	12
Speed range	o/m	280-2300	150-2840
Spindle taper		MT3	MT4
Drill chuck	mm	3-16	5-20
Spindle stroke	mm	85	115
Spindle to column	mm	215	280
Column diameter	mm	80	90
Table size	mm	285x285	405x405
Motor	Kw	0,55	1,1
Overall height	mm	1640	1755
Voltage	Volt	400	400
Weight	Kg	67	93

Drilling machine TBM are powerful belt-driven machines with motors and pulleys constructed in aluminium. Quick action drill chuck and chuck guard are standard. Table can rotate and height adjustment with rack and pinion.

Type KBM are designed to be used on the floor



Drilling machine type GHD

Best
Price



GHD 50A

Very rigid cast-iron construction with thick-walled column Ø180mm and large throat. MT4 machines with hardened and grounded gears and shaft for powerful and quiet operation. For drilling, countersinking, tapping and reaming.

Standard equipment:

- Electromagnetic clutch for drill feed
- Micro feed for milling
- Motor driven lifting of work table
- Digital read-out for drill speed and drill depth
- Base with built-in coolant system
- Halogen work light
- Table rotates and tilt +/- 45°
- Large table with T-slots and coolant channels
- Prepared for tapping and milling
- Automatic drill chuck and chuck guard



Data		GHD 50A
Art. No.		17355
Drilling capacity	mm	50
Tapping capacity	mm	M 24
Speeds		12
Spindle speed range	RpM	42 – 1865
number of feeds		4
Spindle feed range	mm/rpm	0,08 - 0,4
Spindle taper		MT 4
Spindle stroke	mm	180
Distance spindle / column	o/m	360
Column diameter	mm	Ø 170
Table size	mm	460 x 450
Distance spindle / table	mm	600
Distance spindle / base	mm	1205
Motor, spindle w. brake	kw	2,2 / 2,8
Motor, lifting table	kw	0,25
Motor, coolant system	kw	0,085
Overall height	mm	2330
Weight	Kg	800

Radial drilling machine type ZB

Best
Quality



ZB 3060



Radial drilling machine type ZB is a high quality machine based on the newest drive technology for gear head drilling machines. Infinitely variable spindle speed and easy to read digital display. Independent or together hydraulic clamping of drill head and column. Central lubrication of the column. The quill features a guided counter-weight for optimum balance.

- Hardened and grounded gears and splined shaft for powerful and quiet operation.
- Digital readout of RpM
- Protecting cover with switch
- Hardened and grounded guide ways.
- Cast-iron construction to ensure low vibration and reduced noise level.
- Oil-bath lubrication in headstock.
- Hydraulic clamping.
- Motorised rise and fall of drilling arm
- Automatic feed with auto depth stop
- Built-in coolant system.

Infinitely variable spindle speed and digital read out

Data		ZB 3040	ZB 3060
Art. No.		17455	17450
Drilling capacity	mm	40	62
Tapping diameter	mm	M32	M46
Spindle to column	mm	300-1300	350-1600
Spindle to base	mm	300-1200	350-1250
Spindle taper		MT 4	MT 5
Spindle travel	mm	260	315
Speed range	o/min.	54-2150	38-2000
Steps of spindle feeds		4	8
Range of spindle feed	mm/rpm	0,1-0,63	0,06-1
Motor	kw	2,2	4
Weight	kg	2300	3800

Drilling- milling machine type X3S

Best
Price



X3S



Standard digital adjustment
of speed and depth

X3S standard equipment:

- Head swivel $\pm 90^\circ$.
- Cross slide table 550 x 160 mm (travel 400 x 140 mm).
- Pedestal cupboard with door.
- Spindle guard with safety switch.
- Dovetail guideways.
- CE-approved components.
- Reversible for tapping

Data		X3S
Art. No.		17700
Drilling capacity	mm	25
Milling capacity	mm	12
Spindle taper		MT3
Speed range	RpM	100-1750
Spindle to column	mm	230mm
Spindle stroke	mm	70
Tapping	mm	12
Motor 230V	Kw	1
Table size	mm	550x160
Weight	kg	165

Milling machine type XQ 6226B

**Best
Price**



Heavy Duty gearbox

Head swivel 360°

3-axis digital read-out

All 3 axes with power feed

Equipment for horizontal operation standard



Power feed



Horizontal spindle

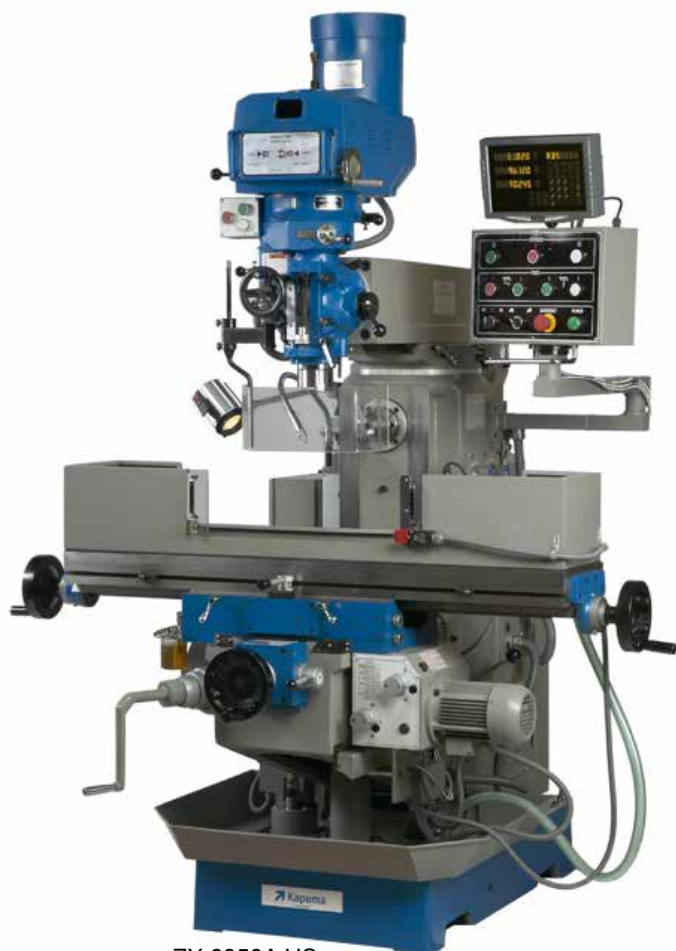
Standard:

- All 3 axis with automatic feed
- Multiadjustable milling head
- Central lubrication
- Coolant system
- 3-axis digital read-out
- Grounded gears in oil-bath
- Dynamic balanced
- LED-light
- Service tools
- Dovetail guideways on all axes
- Hardened and ground guideways
- Spindle guard

Technical data		XQ 6226B
Art. No.		17726
X / Y / Z travel	mm	600x270x380
Table dimensions	mm	260x1120
Table load	kg	250
T-slots		3 pcs / 14x63mm
Feed speed X/Y	mm/min	(9) 24-402
Rapid feed speed	mm/min.	X axis 402
		Y axis 402
		Z axis 422
Spindle taper		ISO 40
Spindle speed	rpm	45-1660
Milling head		360° swivel
Spindel to table	mm	100 – 480
Motor	kw	2,2
L X W X H	mm	1660 x 1500 x 1730
Weight	kg	1480

Milling machine type ZX 6350A HS

**Best
Price**



ZX 6350A HS

Standard with high speed milling head, var. speed 70 – 3600 rpm.



Horizontal spindle work with 12 speeds, 40 – 1350 rpm.



Head swivel
+ / - 90°



Standard equipment :

- All 3 axes with power feed
- Pneumatic tool-draw clamping
- Coolant system
- 3-axis digital read-out
- Hardened and ground guideways and table
- Halogen work light
- Machine vice
- Operating tools
- 8 collets, milling chuck, horizontal arbors
- Cast iron column for heavy duty work
- Interlock guarding of table and spindle
- Spindle feed: 0,04; 0,08 and 0,15 mm / rev.
- Dovetail guideways on all axes

Standard with 3-axis digital read-out and X, Y & Z-axis with power feed

Data		ZX-6350A HS
Art. No.		17715
Drilling capacity	mm	20
Milling capacity	mm	20
Motor vertical	kw	2,2
Motor horizontal	kw	2,2
Spindle taper		ISO 40
Spindle speed vertical	RpM	Var.speed 70-3600
Spindle speed horizontal	RpM	12 speed 40-1350
Spindle stroke	mm	120
Table size	mm	1250x260
Table travel X-Y	mm	750x300
Weight	kg	1350

Milling machine type FVT 360

**Best
Price**



FVT 360

- Rigid frame with wide guideways and travels.
- Hardened guideways ensures durability and long-term accuracy.
- Large work table.
- All gears are hardened and ground for silent operation and long life.
- Swivel milling head with vibrationfree and quiet belt drive.
- Automatic feed, micrometer depth stop and automatic stop.
- Quill head allows angular bores with tilted cutterhead.
- Strong end support ensures vibrationfree horizontal milling.
- Motor with high torque, variable feed and rapid feed in 3 axes.

Standard:

- Central lubrication
- Coolant system
- 3-axes digital read-out
- Reducing sleeve ISO 50 / MT4
- Horizontal arbor Ø 27 mm & Ø 40 mm
- Dynamic balanced
- Halogen work light
- Tools

Technical data		FVT 360
Art. No.		17717
Table dimensions	mm	320 x 1600
Travel X-axis	mm	1300
Travel Y-axis	mm	290
Travel Z-axis	mm	450
Feed speed	mm/min.	X axis 30 - 750
		Y axis 20 - 500
		Z axis 15 - 375
Rapid feed speed	mm/min	X axis 1200
		Y axis 800
		Z axis 600
T-slots		3 stk x 18 x 70 mm
Motor vertical	kw	3,7
Motor horizontal	kw	5,5
Spindle taper vertical		ISO 40
Spindle taper horizontal		ISO 50
Spindle speed vertical	o/min	(16) 65 - 4660
Spindle speed horizontal	o/min	(12) 60 - 1800
Table load	kg	300
L X W X H	mm	2520 x 2100 x 2500
Weight	kg	2300

Milling machine type TM

**Best
Price**

Standard with 3-axis SINO digital read-out and X, Y & Z-axis with power feed

Standard equipment :

- All 3 axes with power feed
- Pneumatic tooldraw clamping
- Coolant system
- 3-axis digital read-out
- Central lubrication
- Halogen work light
- Cast iron column for heavy duty
- Interlock guarding of table and spindles

Automatic spindle feed

with 3 speeds: 0,04; 0,08
and 0,15 mm / rpm.



TM 240

Data		TM240V	TM270V	TM300V
Art. No.		17730	17735	17740
Motor	kw	2,2	3,75	3,75
Head swivel		Left/Right: 90°	Left/Right: 90°	Left/Right: 90°
		Forward/Back: 45°	Forward/Back: 45°	Forward/Back: 45°
Spindle taper		ISO 40	ISO 40	ISO 40
Spindle speed.	Var.	68-3600 o/min	70-3600 o/min	70-3600 o/min
Spindle feed	mm/rpm	3 speed.	3 speed.	3 speed.
		0,04; 0,08 & 0,15	0,04; 0,08 & 0,15	0,04; 0,08 & 0,15
Spindle stroke	mm	127	127	127
Table size	mm	1244x230	1371x254	1500x305
Table travel X-Y-Z	mm	840x305x405	860x420x400	930x380x380
Weight		1100	1600	1750

Milling machine type X 6432

**Best
Price**



Standard with Huron vertical milling head and horizontal spindle

3-axes digital read-out

All 3 axes with power feed

Spindle speed, 8 step, 58-1800 o/min.

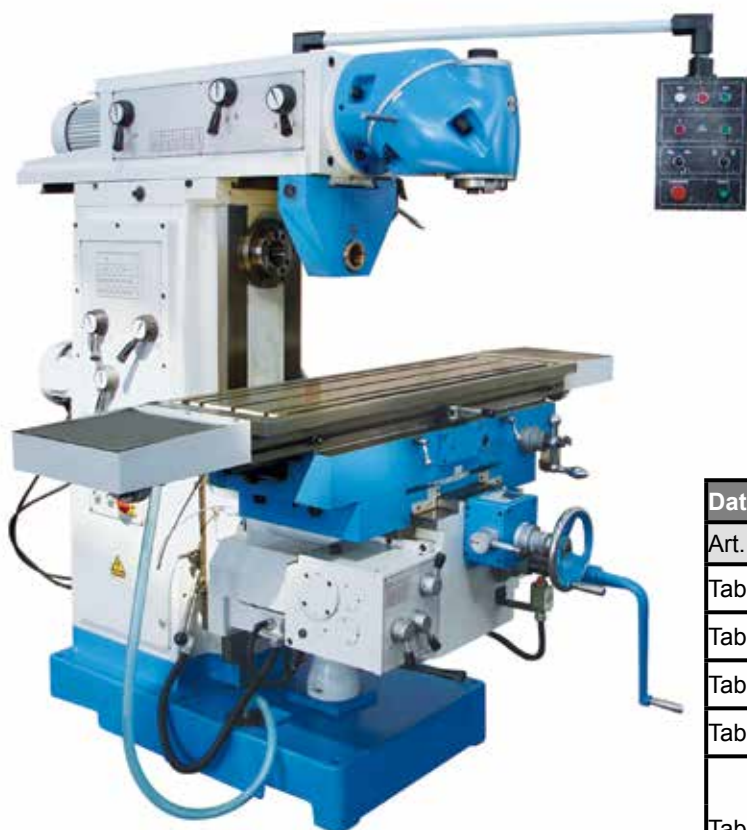
Technical data		X 6432
Art. No.		17721
Table dimensions	mm	320 x 1320
Table travel X-axis	mm	1000
Table travel Y-axis	mm	240
Table travel Z-axis	mm	450
Table load	kg	260
Feed speed	mm/min	X Axis (8) 20 - 360 Y Axis (8) 20 - 360
Rapid feed speed	mm/min.	X Axis 1200 Y Axis 1200 Z Axis 400
T-slots		3 pcs x 14 x 63 mm
Motor vertical	kw	3,0
Motor horizontal	kw	3,0
Motor - feeding	kw	0,55
Motor - feeding Z-axis	kw	0,75
Motor - coolant system	kw	0,09
Spindle taper vertical		ISO 40
Spindle speed vertical	RpM	Vertical: (11) 45 - 1660
Milling head to table	mm	200 - 650
Milling head		360° Swivel
Spindle taper horizontal		ISO 40
Spindle speed horizontal	RpM	Horizontal: (12) 40 - 1300
Spindle axis to table	mm	200 - 650
Horizontal distance	mm	20 - 470
L X W X H	mm	2020 x 1710 x 1994
Weight	kg	2000

Standard

- All 3 axis with automatic feed
- Huron type milling head
- Central lubrication
- Coolant system
- 3-axis digital read-out
- Reducing sleeve ISO 50 / MT4
- Horizontal arbors Ø 27 mm & Ø 40 mm
- Ground gears in oil-bath
- Dynamic balancing
- Safety interlock for manual / aut. feed
- Preloaded ball screws
- Spindle brake
- Halogen work light
- Service tools
- Dovetail guideways on all axes
- Hardened and ground guideways

Milling machine type X 6436

**Best
Price**



X 6436

Standard with Huron type milling head and horizontal spindle

3-axis digital read-out

X, Y and Z-axis with automatic feed

Spindle speed, 8 step, 58-1800 rpm

Data		X 6436
Art. No.		17722
Table dimensions	mm	360 x 1600
Table rotation	mm	35°
Table travel X - Y axis	mm	280 – 1300
Table travel Z – axis	mm	400
Table feed	mm/min.	X axis 22 - 420 Y axis 22 – 393 Z axis 10 – 168
Table rapid feed	mm/min	X axis 1290 Y axis 1205 Z axis 513
T-slots		3 pcs / 18mm
Motor vertical	kw	4,0
Motor horizontal	kw	4,0
Motor feed	kw	0,75
Spindle taper		ISO 50
Spindle speed	RpM	Vertical 8 / 58-1800 Horizontal 12 / 35-1800
Huron type milling head		360° Swivel
Horizontal spindle to table	mm	20 – 420
Table load	kg	400
L X W X H	mm	1980 x 2020 x 1900
Weight	kg	2200

Standard equipment:

- All 3 axis with automatic feed
- Huron type milling head
- Central lubrication
- Coolant system
- 3-axis digital read-out
- Arbors, collets, reduction sleeves
- Horizontal arbors Ø 22 mm & Ø 27 mm
- Ground gears in oil-bath
- Dynamic balancing
- Safety interlock for manual / aut. feed
- Preloaded ball screws
- Spindle brake
- Halogen work light
- Service tools
- Dovetail guideways on all axes
- Hardened and ground guideways

Milling machine type FU 360

**Best
Price**



FU 360

Very rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing.
Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance. Large work area of 1325 x 360 mm and up to 500 kg table load capacity.
Quiet, precision-made headstock gears with hardened and ground gears.
Universal cutter head swivels on 2 levels - quick change-over from horizontal to vertical machining. By combining both swivel levels, almost any spatial angle can be set.
Powerful axis servo-motors allow infinite adjustment of feeds on all 3 axes.
Telescoping covers on the Y axis protect the feed spindle.
Control panel swings out to either side and features an integrated position indicator 5.5 kW main drive guarantees high torque.
Coolant system and chip tray are included.

Standard:

- **Standard with Huron type milling head**
- Central lubrication
- Coolant system
- 3-axes digital read-out
- Reducing sleeve ISO 50 / MT4
- Horizontal arbor Ø 27 mm & Ø 40 mm
- Dynamic balanced
- Halogen work light
- Tools

Technical data		FU 360
Art. No.		17723
Table dimensions	mm	360 x 1325
Table travel X-axis	mm	750
Table travel Y-axis	mm	280
Table travel Z-axis	mm	390
Table load	kg	500
Feed speed	mm/min.	X axis 30 - 750
		Y axis 20 - 500
		Z axis 15 - 375
Rapid feed speed	mm/min	X axis 1200
		Y axis 800
		Z axis 600
T-slots		3 pcs x 18 x 80 mm
Motor vertical	kw	4,0
Motor horizontal	kw	5,5
Motor - feed	kw	1,5
Motor - coolant system	kw	0,09
Spindle taper		ISO 50
Spindle speed	RpM	(12) 60 - 1750
Spindle to table	mm	200 - 590
Milling head		360° Swivel
Spindle taper horizontal		ISO 50
Spindle speed horizontal	RpM	(12) 60 - 1800
L X W X H	mm	1800 x 2100 x 2000
Weight	kg	2885

Milling machine type X 5746 / X 5750

**Best
Price**

- Infinitely variable feed speeds and rapid feed with servo motor on all 3 axes
- Extra large work table
- Large travel ranges on all axes



X 5746



X 5750

Standard equipment:

- All 3 axis with automatic feed
- Huron type milling head
- Central lubrication
- Coolant system
- 3-axis digital read-out
- Reducing sleeve ISO 50
- Horizontal arbors Ø 22 mm & Ø 27 mm
- Ground gears in oil-bath
- Dynamic balancing
- Safety interlock for manual / aut. feed
- Preloaded ball screws
- Spindle brake
- Halogen work light
- Service tools
- Dovetail guideways on all axes
- Hardened and ground guideways

Standard equipment:

- All 3 axis with automatic feed
- Huron type milling head
- Central lubrication
- Coolant system
- 3-axis digital read-out
- Reducing sleeve ISO 50
- Horizontal arbors Ø 22 mm & Ø 27 mm
- Ground gears in oil-bath
- Dynamic balancing
- Safety interlock for manual / aut. feed
- Preloaded ball screws
- Spindle brake
- Halogen work light
- Service tools
- Dovetail guideways on all axes
- Hardened and ground guideways

Milling machine type X 5746 / X 5750

**Best
Price**



X 5746



X 5750

Technical data		X 5746	X 5750	X 5750A
Art. No.		17760	17762	17764
Table dimensions	mm	460 x 1235	500 x 1635	500 x 2000
Table travel X-axis	mm	900	1300	1500
Table travel Y-axis	mm	650	650	650
Table travel Z-axis	mm	450	450	500
Table load	kg	800	1800	1800
Feed speed	mm/min.	X axis 10 - 1000 Y axis 10 - 1000 Z axis 6 - 640	X axis 10 - 1000 Y axis 10 - 1000 Z axis 5 - 500	X axis 10 - 1000 Y axis 10 - 1000 Z axis 6 - 500
Rapid feed speed	mm/min	X axis 2540 Y axis 2540 Z axis 1700	X axis 2200 Y axis 2200 Z axis 1100	X axis 2200 Y axis 2200 Z axis 1100
T-slots		5 stk x 18 x 80 mm	5 stk x 18 x 80 mm	5 stk x 18 x 80 mm
Motor	kw	5,5	5,5	5,5
Spindle taper vertical		ISO 40	ISO 50	ISO 50
Spindle speed vertical	o/min	(27) 30 - 2050	(27) 30 - 2050	(27) 30 - 2050
spindle to table	mm	50 - 500	80 - 530	80 - 530
Milling head		360° swivel	360° swivel	360° swivel
Spindle taper		ISO 50	ISO 50	ISO 50
Spindle axis to table	mm	0 - 400	0 - 400	0 - 400
L X W X H	mm	1940 x 2220 x 2115	2140 x 2621 x 1940	2140 x 2986 x 1940
Weight	kg	4300	3500	5500

Milling machine type VM 320C

**Best
Price**



VM 320C

Heavy Duty gearbox

Head swivel + / - 45°

3-axis SINO digital read out

X, Y and Z-axis with automatic feed

**Spindle speed, 12 step
58-1710 rpm**

Standard equipment:

- All 3 axes with automatic feed
- Head swivels + / - 45
- Central lubrication
- Coolant system
- 3-axis SINO digital read-out
- Grounded gears in oil-bath
- Dynamic balancing
- Safety interlock for manual / aut. feed
- Spindle brake
- Halogen work light
- Service tools
- Dovetail guideways on all axes
- Hardened and ground guideways

Data		VM 320C
Art. No.		17727
Table dimensions	mm	1320 x 320
Table rotation	mm	900 (manuel 1000)
Table travel X - Y axis	mm	300
Table travel Z – axis	mm	400
Table feed	mm/min	X-axis (8) 20-360 Y-axis (8) 20-360
Table rapid feed	mm/min	X-axis 1200 Y-axis 1200 Z-axis 650
T-slots	kw	4
Motor z-axis	kw	0,75
Motor feed	kw	0,55
Spindle taper		ISO 50
Spindle speed	RpM	12 / 58-1710
Milling head		45° Swivel
Spindle to table	mm	45 – 445
Table load	kg	300
L X W X H	mm	2220 x 1810 x 1880
Weight	kg	2300

Milling machine type XA 7140 og X 715

**Best
Price**

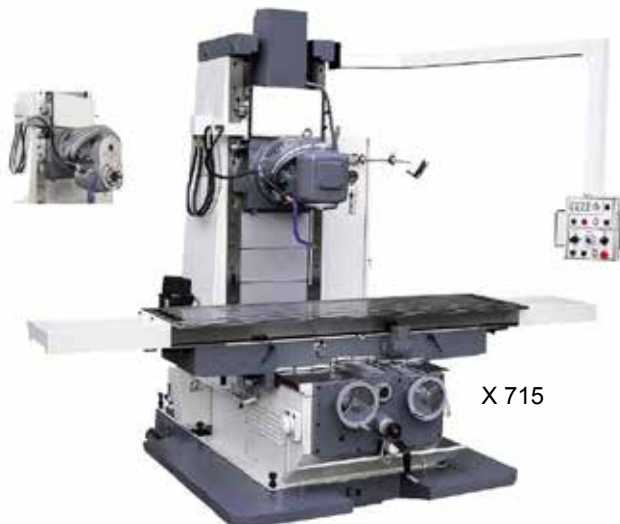
**Extremely high
table capacity**

**Infinitely variable
spindle speed
by frequency
drive**



XA 7140

**- Infinitely variable feed speeds
and rapid feed with servo motor
on X and Y axes**



X 715

Heavy Duty gearbox

3-axes digital read-out

All 3 axis with automatic feed

Spindle speed, 27 step, 30-2050 Rpm

Standard:

- All 3 axes with automatic feed
- Multiadjustable milling head
- Central lubrication
- Coolant system
- 3-axis SINO digital read-out
- Reducing sleeve ISO 50
- Horizontal arbor Ø 22 mm & Ø 27 mm
- Ground gears in oil-bath
- Dynamic balancing
- Safety interlock for manual / aut. feed
- Preloaded ball screws
- Spindle brake
- Halogen work light
- Service tools
- Dovetail guideways on all axes
- Hardened and ground guideways

Technical data		XA 7140	X 715
Art. No.		17728	17729
Table dimensions	mm	400 x 1400	500 x 2100
Table travel x-axis	mm	800	1500
Table travel y-axis	mm	400	670
Table travel z-axis	mm	500	0-700
Table load	kg	2000	2000
Feed speed	mm/min.	X axis (9) 18 - 627	X axis 20 - 1800
		Y axis (9) 18 - 627	Y axis 20 - 1800
		Z axis 18 - 627	
Rapid feed speed	mm/min	X axis 1670	X axis 3500
		Y axis 1670	Y axis 3500
		Z axis 1670	Z axis 1750
T-slots		5 pcs x 18 x 100mm	5 pcs x 20 mm
Motor	kw	7,5	7,5
Motor feed	kw	0,75	2,0
Motor coolant	kw	0,04	0,55
Spindle taper		ISO 50	ISO 50
Spindle speed	Rpm	30 - 1800	(27) 30 - 2050
Milling head		30° Swivel	360° Swivel
Spindle to table	mm	150 - 650	0 - 700
L X W X H	mm	2290 x 1770 x 2120	3300 x 2380 x 2750
Weight	kg	3660	7300

Milling machine type LC1-1/2 VS

Best
Quality



Standard:

- X, Y and Z-axis with automatic feed
- 3-axis Sino digital read out
- Pneumatic clamping
- Head swivel + / - 90°
- Central lubrication
- Coolant system
- Dynamic balancing
- Halogen work light
- Tools
- Hardened and ground guideways

Head swivel + / - 90°

3-axis Sino digital read out

X, Y and Z-axis with automatic feed

Variable variable spindle speed
50-3750 RpM

Technical data		LC1-1/2
Art. No.		17650
Table dimensions	mm	1067x230
Table travel x-axis	mm	762
Table travel y-axis	mm	305
Table travel z-axis	mm	406
Quill travel	mm	127
Vertical feed	mm/o	0,04 ; 0,08 ; 0,16
Variable spindle speed	RpM	50 - 3750
T-slots		3 pcs / 16 x 30mm
Spindle taper		ISO 30 (Opt. ISO 40)
Milling head		90° Swivel right/left 45° Tilt forward/back
Spindle to table	mm	0 – 469
Table load	kg	200
L X W X H	mm	1600 x 1467 x 2100
Motor	kw	1,5
Weight	kg	1010

Milling machine type LC-20

Best
Quality

Standard

- Type LC-20 VHS with horizontal spindle
- X, Y and Z-axis with automatic feed
- 3-axis Sino digital read out
- Pneumatic clamping
- Head swivel + / - 90°
- Central lubrication
- Coolant system
- Dynamic balancing
- Halogen work light
- Tools
- Hardened and ground guideways



Technical data		LC-20 VSG	LC-20 VHS
Art. No.		17655	17660
Table dimensions	mm	1300x260	1300x260
Table travel x-axis	mm	800	800
Table travel y-axis	mm	415	415
Table travel z-axis	mm	460	435
Quill travel	mm	127	127
Feed speed X-axis	mm/min	22-690	22-690
Rapid feed speed X-axis	mm/min	2100	2100
Feed speed Z-axis	mm/min	800	800
Spindle speed	RpM	Vertical: 50 - 3750 Variable	Vertical: 16 / 60 - 3000 Horizontal : 6 / 45 - 980
Spindle feed	mm/o	0,04 ; 0,08 ; 0,16	0,04 ; 0,08 ; 0,16
T-slots		3 stk / 15,875 x 63,5mm	3 stk / 15,875 x 63,5mm
Spindle taper		ISO 40	ISO 40
Milling head		90° swivel right/left 45° tilt forward/back	90° swivel right/left 45° tilt forward/back
Spindle to table	mm	80-540	115 - 550
Table load	kg	200	200
L X W X H	mm	2110 x 1900 x 2270	2110 x 1900 x 2270
Motor	kw	3,3	3,3
Motor Z-axis	kw	1,15	1,15
Weight	kg	1800	2010

Universal milling machine type FU

Best
Quality

Made in
EU
★★★



FU321M

Standard:

- X, Y and Z-axis with automatic feed
- Variable feed speed
- Automatic central lubrication
- Hardened gearbox in oil bath
- Dynamic balanced
- Work light
- Tools for machine maintenance

Optional:

- Universal milling head
- Vertical milling head
- Rotary index table
- Universal indexing equipment
- Arbors
- Horizontal swivel vise
- Milling chucks
- Clamping set
- Safety cover
- Digital equipment
- Keypad control for all 3 axes
- Automatic cycle for longitudinal movement
- Protection of the Y-axis
- Mechanism for minimizing blur on the x-axis

Technical data		FU251M	FU321M	FU401
Art. No.				
Table dimensions	mm	250x1120	320x1350	400x1600
T-slots		3x14x15	5x18x63	5x18x80
Table swivel	°	45	45	45
X-Y-Z travel aut.	mm	800x260x390	980x340x440	1230x340x440
X-Y-Z travel man.	mm	820x280x410	1000x360x460	1250x360x460
Distance spindle to table	mm	30-440	30-490	30-490
Spindle taper		ISO40	ISO50	ISO50
No of speeds		18	18	18
Spindle speed	RpM	40-2000 (50-2500)	32-1600 (40-2000)	32-1600 (40-2000)
Feed		Variabel	Variabel	Variabel
Feed speed	mm/min	4-415 / 10-1000	4-415 / 10-1000	4-415 / 10-1000
Rapid movement	mm/min	1040 / 2500	1040 / 2500	1040 / 2500
Motor	kw	4	7,5	7,5
Feed motor	kw	2,2	2,2	2,2
Weight	kg	1910	2780	2860

Universal milling machine type FUV

Best
Quality

Made in
EU
★ ★ ★



FUV321M

Standard:

- X, Y and Z-axis with automatic feed
- Variable feed speed
- Automatic central lubrication
- Hardened gearbox in oil bath
- Dynamic balanced
- Work light
- Tools for machine maintenance

Optional:

- Universal milling head
- Vertical milling head
- Rotary index table
- Universal indexing equipment
- Arbors
- Horizontal swivel vise
- Milling chucks
- Clamping set
- Safety cover
- Digital equipment
- Keypad control for all 3 axes
- Automatic cycle for longitudinal movement
- Protection of the Y-axis
- Mechanism for minimizing blur on the x-axis

Technical data		FUV321M	FUV401
Art. No.			
Table dimensions	mm	320x1250	400x1600
T-slots		5x18x63	5x18x80
Table swivel	°	45	45
X-Y-Z travel aut.	mm	980x340x440	1230x340x440
X-Y-Z travel man.	mm	1000x360x460	1250x360x460
Horizontal spindle to table	mm	30-490	30-490
Vertical spindle to table		170-630	170-630
Spindle taper	mm	Vertical: ISO50 / Horizontal ISO50	Vertical: ISO50 / Horizontal ISO50
No of speeds		Horizontal: 18 / Vertical: 12	Horizontal: 18 / Vertical: 12
Spindle speed		Horizontal: 3200-1600 / Vertical: 45-2000	Horizontal: 3200-1600 / Vertical: 45-2000
Feed	RpM	Variable	Variable
Feed speed		4-415 / 10-1000	4-415 / 10-1000
Rapid movement	mm/min	1040 / 2500	1040 / 2500
Motor	mm/min	Horizontal: 7,5 / Vertical: 4	Horizontal: 7,5 / Vertical: 4
Feed motor	kw	2,2	2,2
Weight	kw	3500	3575

Universal milling machine type FV

Best
Quality

Made in
EU
★ ★ ★



FV321M

Standard:

- Vertical milling head
- Horizontal milling
- X, Y and Z-axis with automatic feed
- Variable feed speed
- Automatic central lubrication
- Hardened gearbox in oil bath
- Dynamic balanced
- Work light
- Tools for machine maintenance

Optional

- Rotary index table
- Universal indexing equipment
- Arbors
- Horizontal swivel vise
- Milling chucks
- Clamping set
- Safety cover
- Digital equipment
- Keypad control for all 3 axes
- Automatic cycle for longitudinal movement
- Protection of the Y-axis
- Mechanism for minimizing blur on the x-axis

Technical data		FV321M	FV401
Art. No.			
Table dimensions	mm	320x1250	400x1600
T-slots		5x18x63	5x18x80
Table swivel	°	45	45
X-Y-Z travel aut.	mm	980x340x440	1230x340x440
X-Y-Z travel man.	mm	1000x360x460	1250x360x460
Distance spindle to table	mm	170-630	170-630
Spindle taper		ISO50	ISO50
No of speeds		12	12
Spindle speed	Omdr.	45-2000	45-2000
Feed		Variable	Variable
Feed speed	mm/min	4-415 / 10-1000	4-415 / 10-1000
Rapid movement	mm/min	1040 / 2500	1040 / 2500
Motor	kw	4	4
Feed motor	kw	2,2	2,2
Weight	kg	3100	3175

Coolant system, Work light & Digital read out

**Best
Price**



Coolant system

L X W X H: 36 x 24 x 30cm

Motor: 1/8 HP

Container: 13L

Pump performance: 12l/min

1 x 230 V – art. No. 68150

3 x 400 V – art. No 68152



Halogen Work light

24 V

Art. no., 68155



Digital control panel

SINO SDS6-2V

2-/3-axis digital read-out (DRO), which means high precision and increased productivity. It is equipped with a simple and readable display.

The control panel can be mounted on all milling machines as well as lathes.

3-axis – art. No. 17775

2-axis - art No. 17780

Lathe type GH 1340B

Best
Price



GH 1340B



Type GH-1340B precision lathe with hardened and grounded bedways and gears. With Camlock spindle nose for quick change of chucks, foot brake and halogen work lamp. Jog button switch for easy spindle speed selection. Gap bed allows larger diameter work. Gear runs in oil bath. Practical central location of controls.

Standard with digital read-out and quick-change tool post!

Standard equipment:

- Digital read-out, 2 axis
- Quick change tool post
- Foot brake
- Coolant system
- Work light
- D1-4 Camlock system
- 3-jaw chuck
- 4-jaw independant chuck
- Face chuck
- Steady and follow rest
- Splatter guard
- Hardened and ground "V" beds
- Chuck guard

Data		1340B
Art. No.		17817
Distance btw. centers	mm	1000
Width of bed	mm	180
Center height	mm	165
Swing over cross slide	mm	180
Swing over gap	mm	470
Swing over bed	mm	330
Spindle bore	mm	38
Tailstock taper		MT 3
Longitudinal feed	mm	(40) 0,053 – 1,291
Cross feed	mm	(40) 0,011 – 0,276
Speed range	RpM	(65) 65 - 1810
Metric thread	mm	(32) 0,4 -7
Inch thread	TPI	(45) 4 - 60
Motor	kw	2,2
Dimensions l x w x h	mm	1870 x 660 x 1630
Weight	kg	570

Lathe type GH 1440B

Best
Price



GL 1440B



Type 1440B precision lathe with hardened and grounded bedways and gears. With Camlock spindle nose for quick change of chucks, foot brake and halogen work lamp. Jog button switch for easy spindle speed selection. Gap bed allows larger diameter work. Gear runs in oil bath. Practical central location of controls.

Standard with digital read-out and quick-change tool post!

Standard equipment:

- Digital read-out, 2 axis
- 200mm / D5 3-Jaw chuck
- Independent 4-Jaw chuck
- Quick change tool post
- Foot brake
- Coolant system
- Work light
- D1-5 Camlock system
- Face plate 250mm
- Steady and follow rest
- Splash guard
- Hardened and ground "V" beds
- Chuck guard
- Morse taper drill sleeve

Data		1440B
Art. No.		17822
Distance btw. centers	mm	1000
Width of bed	mm	187
Center height	mm	178
Swing over cross slide	mm	224
Swing over gap	mm	476
Swing over bed	mm	356
Spindle bore	mm	Ø 51
Tailstock taper		MT 4
Longitudinal feed	mm	0,078 – 1,044
Cross feed	mm	0,022 – 0,298
Speed range	RpM	70 – 2000
Metric thread	mm	0,45 -10,0
Inch thread	TPI	2,25 - 40
Motor	kw	2,2
Dimensions l x w x h	mm	1940 x 760 x 1520
Weight	kg	600

Lathe type GH 1640A

Best
Price



GH 1640A



Type GH-1640A precision lathe with hardened and grounded bedways and gears. With Camlock spindle nose for quick change of chucks, foot brake and halogen work lamp. Cast-iron stand. Jog button switch for easy spindle speed selection. Gap bed allows larger diameter work. Gear runs in oil bath. Practical central location of controls.

Standard with digital read-out and quick change tool post!

Standard equipment:

- Digital read-out, 2 axis
- Quick change tool post
- Foot brake
- Coolant system
- Work light
- D1- 6 Camlock system
- 3-jaw chuck
- 4-jaw independant chuck
- Face chuck
- Steady and follow rest
- Splatter guard
- Hardened and ground "V" beds
- Chuck guard

Data		GH-1640A
Art. No.		17825
Distance btw. centers	mm	1000
Width of bed	mm	250
Center height	mm	205
Swing over cross slide	mm	220
Swing over gap	mm	640
Spindle bore	mm	52
Spindle taper		MT 6
Tailstock taper		MT 4
Spindle speed	RpM	(16) 45 - 1800
Metric thread	mm	(39) 0,2 – 14
Inch thread	TPI	(45) 2 - 72
Motor	kw	4,5
Weight	kg	1550

Lathe type GH 1860

Best
Price



GH 1860



Type GH-1860 precision lathe with hardened and grounded bedways and gears. With Camlock spindle nose for quick change of chucks, foot brake and halogen work lamp. Cast-iron stand. Jog button switch for easy spindle speed selection. Gap bed allows larger diameter work. Gear runs in oil bath. Practical central location of controls.

Standard with digital read-out and quick change tool post!

Standard equipment:

- Digital read-out, 2 axis
- Quick change tool post
- Foot brake
- Coolant system
- Work light
- D1- 8 Camlock system
- 3-jaw chuck
- 4-jaw independant chuck
- Face chuck
- Steady and follow rest
- Splatter guard
- Hardened and ground "V" beds
- Chuck guard

Data		GH-1860
Art. No.		17830
Distance btw. centers	mm	1500
Width of bed	mm	340
Center height	mm	230
Swing over cross slide	mm	274
Swing over gap	mm	690
Spindle bore	mm	80
Spindle taper		MT 6
Tailstock taper		MT 4
Spindle speed	RpM	(12) 40 - 1600
Metric thread	mm	(41) 0,1 - 14
Inch thread	TPI	(60) 2 - 112
Motor	kw	7,5
Weight	kg	2830

Lathe type GH-530

Best
Price



GH 530

Type GH-530 precision lathe with hardened and ground bedways and gears. With Camlock spindle nose for quick change of chucks, foot brake and halogen work lamp. Cast-iron stand. Jog button switch for easy spindle speed selection. Gap bed allows larger diameter work. Gear runs in oil bath. Practical central location of controls.

Standard with digital read-out and quick change tool post 40 positions.

Standard equipment:

- Digital read-out, 2 axis
- Quick change tool post
- Foot brake
- Coolant system
- Work light
- D1- 8 Camlock system
- 3-jaw chuck Ø325mm
- 4-jaw independant chuck Ø400
- Face chuck Ø630mm
- Steady and follow rest
- Splatter guard
- Hardened and ground "V" beds
- Chuck guard

Data		GH-530
Art. No.		17835
Distance btw. centers	mm	2000
Width of bed	mm	400
Center height	mm	265
Swing over cross slide	mm	320
Swing over gap	mm	765
Spindle bore	mm	82
Spindle taper		MT 7
Tailstock taper		MT 5
Spindle speed		(12) 20 - 1600
Metric thread	mm	(24) 0,25 - 7
Inch thread	TPI	(50) 1 - 112
Motor	kw	7,5
Weight	kg	2900

Lathe type GH 660

Best
Price



GH 660

Type GH 660 precision lathe with hardened and ground bedways and gears. With Camlock spindle nose for quick change of chucks, foot brake and halogen work lamp. Cast-iron stand. Jog button switch for easy spindle speed selection. Gap bed allows larger diameter work. Gear runs in oil bath. Practical central location of controls.

Standard with digital read-out and quick change tool post 40 positions.

Standard:

- Digital read-out, 2 axis
- Quick change tool post, 40 pos.
- Foot brake
- Coolant system
- Work light
- D 1-8 Camlock system
- 3-jaw chuck Ø 325 mm
- jaw chuck Ø 400 mm
- Face chuck Ø 630 mm
- Steady and follow rest
- Splatter guard
- Hardened and ground "V" beds
- Chuck guard



Data		GH-660
Art. No.		17840
Center height	mm	330
Swing over cross slide	mm	420
Swing over gap	mm	870
Distance btw. centers	mm	2000
Width of bed	mm	405
Spindle bore	mm	Ø105
Spindle speed	RpM	(12) 36-3600
Spindle taper		MT 1:20
Tailstock taper		MT 5
Metric thread	mm	(22) 1-14
Inch thread	TPI	(25) 2-28
Motor	kw	10
Weight	kg	3870

Manual lathe type CU-Light

Best
Quality

Made in
EU
★★★

Standard equipment:

Electrical equipment according to CE standards, cooling system, low voltage lighting, bed with gap, Chip guard rear, toolholder, chuck guard, protection of lead screw, alignment bolts and plates, anchor bolts, fixed headstock, reducing sleeve, 4-way toolholder, length stop, fast clamping tailstock, manual, CE declaration.

Optional:

3-jaw chuck, 4-jaw jaw chuck, follow rest, steady rest, taper turning equipment, threading, rolling centers, chuck with taper, foot pedal brake, camlock spindle, quick change tool, other engine sizes, digital equipment.



CU502

The following operations can be performed with the CU502, CU582, CU662, CU802 and CU1002 universal lathe: turning of cylindrical, taper and shaped surfaces; boring of cylindrical and taper holes with longitudinal and transverse feed; cutting of all standard thread types – outer and inner – metric, inch, module and diametral pitch threads. The machine is intended for use in unit- and small- batch production.

Work piece material may be steel, cast iron, non-ferrous metals and alloys. To machine long shafts the machine is equipped with a follower rest and a steady rest. The machine is equipped with a wide range of standard units and special accessories, aimed at expanding its field of application.

Technical data		CU325	CU502	CU582	CU662	CU802	CU1002
Art. No.			19600	19606	19612	19618	19624
Distance btw. centers	mm	500, 750, 1000	1000, 1500, 2000, 3000, 4000, 5000, 6000				
Spindle bore	mm	32	72, 80, 104			104	
Center height	mm	165	250	290	330	400	500
Swing over bed	mm	325	500	580	660	800	1000
Swing over gap	mm	440 (1000mm)	690	770	850	990	1190
Swing over cross slide	mm	190	300	380	470	570	750
Width of bed	mm	200	400			480	
Tailstock taper		MT3	MT5			MT6	
Speeds	No.	12 / 24	18				
Speed range	RpM	85 - 2000 / 42,5 -2000	11,2 - 2000			9-1600	
Metric threads	mm	0,1 - 28	0,5 - 240				
Inch threads	TPI	75 - 2,5	60 - 1/8				
Motor	kw	2,2	5,5 / 7,5	5,5 / 7,5	7,5 / 11	11	11
Weight at 3000mm	kg	770 (1000mm)	4030	4150	4370	5250	5450

Manual lathe type CU-Medium

Best
Quality

Made in
EU
★★★



CU1232

Standard equipment:

Electrical equipment according to CE standards, cooling system, low voltage lighting, bed with gap, Chip guard rear, toolholder, chuck guard, protection of lead screw, alignment bolts and plates, anchor bolts, fixed headstock, reducing sleeve, 4-way toolholder, length stop, fast clamping tailstock, manual, CE declaration.

Optional:

3-jaw chuck, 4-jaw jaw chuck, follow rest, steady rest, taper turning equipment, threading, rolling centers, chuck with taper, foot pedal brake, camlock spindle, quick change tool, other engine sizes, digital equipment.

The following operations can be performed with the CU832, CU932, CU1032, CU1132 and CU1332 universal lathe: turning of cylindrical, taper and shaped surfaces; boring of cylindrical and taper holes with longitudinal and transverse feed; cutting of all standard thread types – outer and inner – metric, inch, module and diametral pitch threads. The machine is intended for use in unit- and small- batch production.

Work piece material may be steel, cast iron, non-ferrous metals and alloys. To machine long shafts the machine is equipped with a follower rest and a steady rest. The machine is equipped with a wide range of standard units and special accessories, aimed at expanding its field of application.

Technical data		CU832	CU932	CU1032	CU1132	CU1332
Art. no.		19630	19636	19642	19648	19654
Distance btw. centers	mm	1500, 2000, 3000, 4000, 5000, 6000				
Spindle bore	mm	113, 130, 153				
Center height	mm	417	467	517	567	667
Swing over bed	mm	830	930	1030	1130	1330
Swing over gap	mm	1000	1100	1200	1300	1500
Swing over cross slide	mm	510	610	710	810	1010
Width of bed	mm	560				
Tailstock taper		MK6				
Speeds	No.	18				
Speed range	RpM	5,6 - 1000				
Metric threads	mm	0,5 - 120				
Inch threads	TPI	60 - 1/16				
Motor	kw	15 (18 / 22)				
Weight at 3000mm	kg	5600	5900	6200	6400	7000

Manual lathe type CU-Heavy

Best
Quality

Made in
EU
★★★



CU1000

Standard equipment:

Electrical equipment according to CE standards, cooling system, low voltage lighting, bed with gap, Chip guard rear, toolholder, chuck guard, protection of lead screw, alignment bolts and plates, anchor bolts, fixed headstock, reducing sleeve, 4-way toolholder, length stop, fast clamping tailstock, manual, CE declaration.

Optional:

3-jaw chuck, 4-jaw jaw chuck, follow rest, steady rest, taper turning equipment, threading, rolling centers, chuck with taper, foot pedal brake, camlock spindle, quick change tool, other engine sizes, digital equipment.

The following operations can be performed with the CU800, CU1000 and CU1250 universal lathe: turning of cylindrical, taper and shaped surfaces; boring of cylindrical and taper holes with longitudinal and transverse feed; cutting of all standard thread types – outer and inner – metric, inch, module and diametral pitch threads. The machine is intended for use in unit- and small- batch production.

Work piece material may be steel, cast iron, non-ferrous metals and alloys. To machine long shafts the machine is equipped with a follower rest and a steady rest. The machine is equipped with a wide range of standard units and special accessories, aimed at expanding its field of application.

Technical data		CU800	CU1000	CU1250
Art. No.		19660	19665	19670
Distance btw. centers	mm	1500, 3000, 4000, 5000, 6000		
Spindle bore	mm	155		
Center height	mm	400	500	625
Swing over bed	mm	890	1090	1320
Swing over gap	mm	1050	1250	1500
Swing over cross slide	mm	490	690	940
Width of bed	mm	700		
Tailstock taper		MK6		
Speeds	antal	24		
Speed range	RpM	6,3 - 1250		5 - 1000
Metric threads	mm	0,5 - 480		
Inch threads	TPI	60 - 1/16		
Motor	kw	22 (30)		
Weight at 3000mm	kg	7500	8050	8550

Manual lathe type CU-Oil Industry

Best
Quality

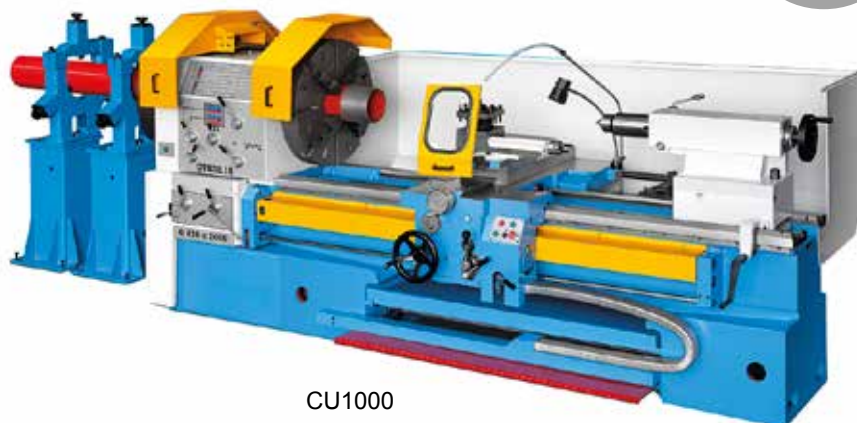
Made in
EU
★★★

Standard equipment:

Electrical equipment according to CE standards, cooling system, low voltage lighting, bed with gap, Chip guard rear, toolholder, chuck guard, protection of lead screw, alignment bolts and plates, anchor bolts, fixed headstock, reducing sleeve, 4-way toolholder, length stop, fast clamping tailstock, manual, CE declaration.

Optional:

3-jaw chuck, 4-jaw jaw chuck, follow rest, steady rest, taper turning equipment, threading, rolling centers, chuck with taper, foot pedal brake, camlock spindle, quick change tool, other engine sizes, digital equipment.



CU1000

The Oil-country lathes can perform the following operations: cylindrical, taper and profile turning; cylindrical and taper boring, with longitudinal and cross feeds, as well as cutting of all kinds of standard threads, external and internal: Metric, Inch, Module and DP threads. The enlarged spindle bore 260 mm, 315 mm and 360 mm makes the machines especially suitable to the petroleum and other industries, where long and large diameter work pieces should be machined. The machine is equipped with specially designed stands and steadies, located to the left of the working area, which make the machining of long work pieces easier.

The blank material can be either steel, cast iron or non-ferrous metals and alloys. The machine is equipped with fixed and travelling steadies for machining of long shafts.

A number of standard and additional accessories make the machine truly versatile.

Technical data		CT832.10	CT832.12	CT932.14
Art No.		19675	19682	19689
Distance btw. centers	mm	1000, 1500, 2000, 3000, 4000, 5000, 6000		
Spindle bore	mm	260	315	360
Center height	mm	417		467
Swing over bed	mm	830		930
Swing over gap	mm	1000		1100
Swing over cross slide	mm	510		610
Width of bed	mm	560		
Tailstock taper		MK6		
Speeds	antal	12		
Speed range	RpM	8 - 400		
Metric threads	mm	0,5 - 150		
Inch threads	TPI	60 - 13/64		
Motor	kw	15 (18 / 22)		
Weight at 3000mm	kg	6000	6000	6200

Pinacho lathe type SC manual

Best
Quality

Made in
EU
★★★



SC 325-2225

Pinacho lathes type SC is a new series of conventional lathes which comes in sizes from 200-325mm in centre height, and from 750 - 3150mm between the centers. Motor sizes are available from 4-7,5kW. All the machines are standard with variable adjustment of spindle and with 3 gears. The combination of constant cutting speed with electronic variable speed, give these machines a better performance and a much finer surface on the workpieces.

All elements and components of these machines are made in order to achieve perfect functionality, maximum performance, and to optimize manufacturing processes, energy consumption and environmental friendliness. Production and quality control is done on Pinachos own factory, where also all steel components are manufactured. This means that all cutting, bending, welding, deburring and grinding and finishing, always are done at highest quality and on the most modern production facilities.

Standard equipment:

- 3-jaw chuck Ø315mm. (SC 325)
- 3-jaw chuck Ø250mm. (200/250 SC)
- 2 sets of soft jaws
- Ø 400mm 4-jaw jaw chuck (SC 325)
- Ø 300mm 4-jaw jaw chuck
- follow rest
- Steady rest
- Micrometer-stop at the slide
- Quick-change tool holder with 4p. side attachments
- 2-axis digital equipment
- Rapid traverse the X-Z (SC 325)



SC 200-1000

Pinacho lathe type SC manual

Best
Quality

Made in
EU
★★★★



SC 200-750



SC 325-1625

Technical data		SC 200	SC 250	SC 325
Art. No.		18750 / 18752	18754 / 18756	18758 / 18760 / 18762 / 18764
Distance btw. centers	mm	750 / 1000	1000 / 1500	1150 / 1625 / 2225 / 3150
Spindle bore	mm	42	58	155
Center height	mm	200	250	325
Swing over bed	mm	402	502	652
Swing over gap	mm	560	700	910
Swing over cross slide	mm	245	310	450
Width of bed	mm	250	300	350
Tailstock taper		MT 4	MT 4	MT 5
Camlock		D 2-5	D 2-6	D 2-8
Speed	no	3	3	3
Speed range	RpM	40-345 / 345-1015 / 1015-2800	40-310 / 310-840 / 840-2300	50-120 / 120-290 / 290-800
Metric thread	mm	0,5 - 7,5	0,5 - 7,5	0,5 - 15
Inch thread	TPI	60 - 4	60 - 4	60 - 2
Motor	kw	4	5,5	7,5
Weight	kg	1130 / 1275	1650 / 1800	1850 / 2200 / 2650 / 3275

Pinacho CNC lathe type SE

Best
Quality

Made in
EU
★★★



SE 250-1500

Pinacho lathes type SE “Smart Electronic” is a new series of CNC lathes with are flat beams. The machines are available in sizes from 200-325mm in centre height, and from 750 - 3150mm between the centers. These lathes comes with a simple, but incredibly effective Siemens 808D control unit. This range is particularly suitable for the production of single parts, and small series due to the simple programming. The machines can be provided with much extra equipment.

All elements and components of these machines are made in order to achieve perfect functionality, maximum performance, and to optimize manufacturing processes, energy consumption and environmental friendliness. Production and quality control is done on Pinachos own factory, where also all steel components are manufactured. This means that all cutting, bending, welding, deburring and grinding and finishing, always are done at highest quality and on the most modern production facilities.

Standard equipment:

- SIEMENS 808D CNC control
- Electronic adjustment of handwheel to X-Z axis
- Variable speed adjustment, three intervals
- Leveling plates
- Complete chip protection and collection tray
- Quick-change tool holder with 5p. side attachments
- Complete cooling equipment
- Automatic lubrication system
- Working light

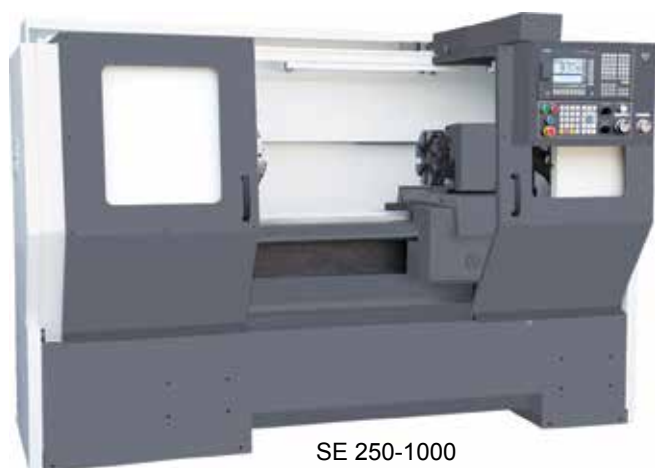


SE 200-750

Pinacho CNC lathe type SE

Best
Quality

Made in
EU
★ ★ ★



SE 250-1000



SE 325-1500

Technical data		SE 200	SE 250	SE 325
Art. No.		18766 / 18768	18770 / 18772	18774 / 18776 / 18778 / 18780
Distance btw. centers	mm	750 / 1000	1000 / 1500	1000 / 1600 / 2000 / 3000
Spindle bore	mm	42	58	80
Center height	mm	200	250	325
Swing over bed	mm	402	502	652
Swing over cross slide	mm	245	310	450
Width of bed	mm	250	300	350
Tailstock taper		MK 4	MK 4	MK 5
Camlock		D 2-5	D 2-6	D 2-8
Speeds	No.	3	3	3
Speed range	RpM	0-2800	0-2300	0-1700
Feed speed	mm/min	0-5000	0-5000	0-5000
Rapid traverse Z-X axes	m/min	7	7	7
Motor	kw	4	5,5	7,5
Weight	kg	1375 / 1675	1580 / 1930	2470 / 2675 / 3120 / 3875

Pinacho CNC lathe type ST

Best
Quality

Made in
EU
★★★



ST 400-3000

Pinacho lathe type ST “Smart Turn” is a new series of CNC lathes all of which are suitable for productions of bigger workpieces and production series. The machines are supplied with an 8-pos. aut. tool turret, and as an option available with C-axis and rotating tools. The control unit is a Siemens 828D. These machines are available in sizes from 180-500mm in center height and up to 5000mm between centers. Motors from 7,5-22kW.

All elements and components of these machines are made in order to achieve perfect functionality, maximum performance, and to optimize manufacturing processes, energy consumption and environmental friendliness. Production and quality control is done on Pinachos own factory, where also all steel components are manufactured. This means that all cutting, bending, welding, deburring and grinding and finishing, always are done at highest quality and on the most modern production facilities.

Standard equipment:

- SIEMENS 828D CNC control unit
- Electronic adjustment of handwheel to X-Z axis
- Servo-motor spindle
- 8-pos. aut. tool turret
- Leveling plates
- Complete chip protection and collection tray
- Complete cooling equipment
- Automatic lubrication system
- Working light



ST 285-1000

Pinacho CNC lathe type ST

Best
Quality

Made in
EU
★ ★ ★



ST 180-750



ST 225-1500

Technical data		ST 180	ST 225	ST 285	ST 310	ST 400	ST 500
Art. No.		18782/18784	18786/18788	18790/ 18792/ 18794/18796	18798/18800/ 18802/ 18804	18806/18808/ 18810/ 18812/ 18814	18816/18818/ 18820/18822
Distance btw. centers	mm	750/1000	1000/1500	1000/1500/ 2000/3000	1000/1500/ 2000/3000	1000/2000/3000 /4000/5000	2000/3000/ 4000/5000
Spindle bore	mm	42	65	80	105	105	130
Center height	mm	180	225	285	310	400	500
Swing over bed	mm	360	450	570	620	805	1010
Swing over cross slide	mm	190	260	360	410	515	718
Width of bed	mm	250	300	350	350	425	500
Tailstock taper		MK 4	MK 5	MK 5	MK 5	MK 5	MK 6
Camlock		D 2-5	D 2-6	D 2-8	D 2-8	D 2-8 / D 2-11 / D 2-15	D 2-11
Speeds	No.	-	-	-	-	2	2
Speed range	RpM	0-4000	0-3000	0-2500	0-2500	0-450 / 450-1700	0-375 / 375-1400
Feed speed	mm/min	0-7500	0-7500	0-7500	0-7500	0-7000	0-7000
Rapid traverse Z-X axes	m/min	12 / 15	12 / 15	12 / 15	12 / 15	10 / 10	10 / 10
Positioning accuracy	mm	0,01	0,01	0,01	0,01	0,01	0,01
Repetition accuracy	mm	0,01	0,01	0,01	0,01	0,01	0,01
Motor	kw	7,5	9	11	11	17	22
Weight	kg	1400 / 1725	1675 / 2045	2550 / 2800 / 3200 / 3925	2550 / 2800 / 3200 / 3925	5460 / 5760 / 6460 / 7560 / 9060	6400 / 7600 / 8800 / 10000

Style CNC lathe

Best
Quality

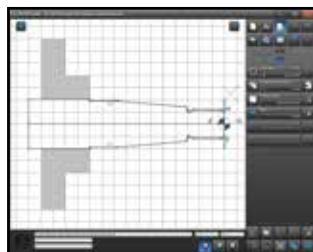
Made in
EU
★ ★ ★



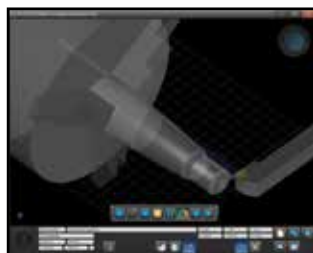
510x1350

Style is among the leading companies in production of lathes and milling machines of superior quality. The philosophy of style is to bring programming times, and thereby changing times of changeovers on small series to an absolute minimum. Single series and flexibility are the key words. All Style machines are equipped with the latest Style 4 controller, which is the fastest, most powerful and intuitive software for lathes and milling machines.

Style 4 controller is the result of many years of experience from programmers and customers. The advantages and simplicity of previous versions, but now with the latest applications in intuitive programming. The speed and ease of use of this control is not comparable. Each operation is done with a few clicks, a minimum of required values displayed directly on a 19" touch screen. Simplicity combined with options from CNC.



Style-control makes it easy for you. Operators who are used to traditional machines can work directly with Style Teach-in machines. The software is written in Danish. The machines can be supplied with an optional software package, making it possible to develop programs and work on a remote PC.



The graphic dialogue program enables you to program / design a product quickly and easily get it done on the machine. You can also import a DXF file.

You can simulate all stages of the production process on the screen in 3D in order to verify the application you have made.

Style CNC lathe

Best
Quality



Graphic full touch

Graphic full touch 19" screen combined with smart menus are not only fast, but retains a constant overview of the process. No unnecessary dialogs or input fields.

Smart menus

Smart Menu understand what your next step will be during programming. This means fewer actions, so you can work smarter and faster.

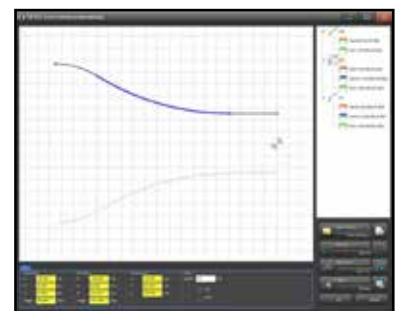
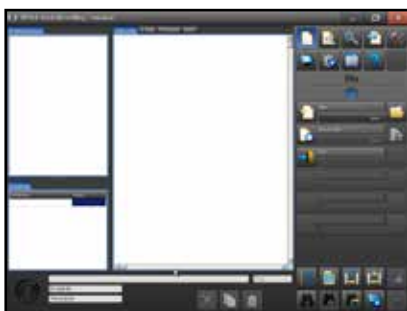
The menus are arranged such that only the available logical programming options are visible. In this way, the menu is always clear and concise and you work faster every day.

Simulation

With the simple and lightning-fast 3D simulation functionality on a STYLE 4 Controller, is it possible to pre-test and optimize every single subject. Furthermore the production time and the tools necessary for processing is calculated directly in the simulation.

G-Code

With the special style CNC editor it is possible to make ISO programming, and thereby produce very complex pieces in a very simple way. This enhances the operator's flexibility considerably. G-Code functionality allows you to program different complex forms and operations within the intuitive environment STYLE 4 controller provides its users!



Standard equipment:

- Pentium 4 3.0Ghz PC
- Style control m. Style 4 software
- 512Mb RAM
- 19" LCD" Touch "color display
- USB connection
- Network Connectivity
- Digital positioning if manual mode is selected
- Hardened and grounded beams
- A. C. spindle motor with electro-magnetic brake
- D.C. motors for the X and Z movement
- Precision grounded ball screws
- Electronic handwheel for X and Z movement
- Aut. Central lubrication systems
- Coolant
- Conversion Program
- DXF files
- Full guard protection
- Work light
- Constant cutting speed
- Various safety devices properly. CE directive.
- The machines are supplied without centering device and without tool system
- Chip conveyor (only on 650/750 models)
- CE approved

Style CNC lathe

**Best
Quality**

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Optional:



350

- Centering chuck manual
- Multifix quick change system
- Automatic tool changer

- VDI30 8-pos.
- 7,5kw engine
- Chip conveyor
- Follow rest Ø10-75mm

- Steady rest Ø10-150mm
- High-pressure cooling
- 1 year extra warranty
- Additional software



510

- Centering chuck manual
- Multifix quick change system
- Automatic tool changer VDI30 / VDI40 8-pos.

- 11kw motor
- Chip conveyor
- Follow rest Ø10-75mm
- Steady rest Ø20-150mm / Ø100-300mm

- Spindle bore Ø103mm
- High-pressure cooling
- 1 year extra warranty
- Additional software



650

- Centering chuck manual
- Multifix quick change system
- Automatic tool changer VDI40 / VDI 50 8-pos.

- 22kW motor
- Chip conveyor
- Follow rest Ø20-160mm
- Steady rest Ø50-300mm / Ø60-400

- C-axis w.rotating tools
- High-pressure cooling
- 1 year extra warranty
- Additional software



750

- Centering chuck manual
- Multifix quick change system
- Automatic tool changer VDI40 / VDI 50 8-pos.

- 22kW motor
- Chip conveyor
- Follow rest Ø20-160mm
- Steady rest Ø50-300mm / Ø60-400

- C-axis w.rotating tools
- Spindle Ø155mm
- High-pressure cooling
- 1 year extra warranty
- Additional software

Technical data		Style 350	Style 510	Style 650	Style 750
Art. No.		18850	18852 / 18854	18856 / 18858 / 18860	18860 / 18862 / 18864
Distane btw. centers	mm	850	1350 / 1850	1900 / 2900 / 3900	1900 / 2900 / 3900
Width of bed	mm	305	330	450	450
Swing over bed	mm	380	510	650	750
Swing over cross slide	mm	190	300	430	530
Spindle bore	mm	42 / 52	80	105	105
Speed range	RpM	3000	2500 / 1800	2000	2000 / 1000
Camlock		D1-6 / D1-5	D1-8	D1-11	D1-11 / A2-11
Motor	kw	5,5	7,5	18,5	18,5
Weight	kg	2000	2700 / 3200	5500 / 6600 / 7700	5700 / 6800 / 7900
Dimensions	mm	2500x1800x1800	3200x1800x1800 3700x1800x1800	4100x2300x2200 5100x2300x2200 6100x2300x2200	4100x2300x2200 5100x2300x2200 6100x2300x2200

Style CNC milling machine - Teach In

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Quality

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BT2000

Style CNC milling machine offers faster programming times and faster switching times between series - these machines are simply unmatched in its class and provides optimum flexibility to handle a wide range of products.

The frame consists of heavy cast iron. The X-axis is supported with guides. Y and Z axes are reinforced with strong box beams. Guides are induction hardened and grounded. Beams are coated with Turcite-B. The main spindle is provided with FAG high precision bearings and are standard suitable to run 8,000 rev. / Min. without the use of cooling. X, Y and Z axes is provided with NSK ball screws which ensure the highest possible accuracy.

The machine is equipped with an automatic central lubrication system. Servo motors, frequency converters, controls and all electrical components are installed in the Netherlands at STYLE High Tech. Here, all components will be checked by an extremely comprehensive quality check. Style service ensures proper and professional delivery. There are also telephone helpdesk, where it is possible to be advised about the software. The machine is suitable for single pieces and small series. Programming skills are not needed because of the very user-friendly software. It is possible to learn to work with the machine in just 1-2 days.

The machine complies with CE standards and will be delivered with manual in the rightful language.



Style CNC milling machine - Teach In

**Best
Quality**



Optional:



BT600

- Vertical tool changer 16/24-pos.
- Closed machine frame incl. chip conveyor
- 8000 rev. / Min

- 7.5 kw motor
- Internal cooling
- External high-pressure pump
- Amp. meter

- Rpm. potentiometer
- 1 year extra warranty
- Additional software



BT1000

- Vertical tool changer 20/24-pos.
- Closed machine frame incl. chip conveyor
- 8000 rev. / Min

- 11 kw motor
- Internal cooling
- External high-pressure pump
- Amp. meter

- Rpm. potentiometer
- 1 year extra warranty
- Additional software



BT1500 / BT1500E

- Vertical tool changer 24-pos.
- Closed machine frame incl. chip conveyor

- 8000/10000/12000 rev. / Min
- 11/15 kw motor
- Internal cooling
- External high-pressure pump

- pump
- Amp. meter
- Rpm. potentiometer
- 1 year extra warranty
- Additional software



BT2000 / BT3000

- Vertical tool changer 24-pos. BT40/BT50
- Closed machine frame incl. chip conveyor
- 8000/10000/12000 rev. / Min

- 15/18/22/37 kw motor
- Internal cooling
- External high-pressure pump
- Amp. meter
- Rpm. potentiometer

- 1 year extra warranty
- Additional software
- BT50 spindle
- ZF gearbox

Technical data		Style BT600	Style BT1000	Style BT1500/1500E	Style BT2000 / 3000
Art. No.		18870	18872	18874 / 18876	18878 / 18880
X axis	mm	660	1060	1500	2000 / 3000
Y axis	mm	410	560	650	800
Z axis	mm	500	600	600	700
Spindle to table	mm	125-735	110 - 710	150-850	150-850
Table size	mm	360x880	465x1240	500x1810 / 610x1810	600x2150 / 800x3200
T-slots	mm	3x18	4x18	5x18	5x18 / 5x22
Table capacity	kg	400	1000	1300 / 800	2000 / 2500
Spindle taper		BT40	BT40	BT40	BT40 / BT50
Speed range	RpM	6000	6000	6000	6000
Motor	kw	5,5	7,5	7,5	11
Weight	kg	2500	4300	4800 / 4300	8500 / 11700
Dimensions	mm	2200x1700x2500	2600x2100x2600	3100x2300x2500	3500x3000x2900 7400x2900x2900

Vertical machining center type XB-650

Best
Quality



XB-650

XB-650 Machining Center

Meehanite cast iron
Cross ribbed casting base
Rigidity and durability
C3 grade precise ballscrews
Heavy load HIWIN roller linier guideways
High precision
Tolerances within: 0.002 to 0.005 mm.

These machines have box-beams on all axes.
(X = 2pcs. Y = 2pcs. Z = 2 pcs.)

The machine can be equipped
with controllers from:
Fanuc - Siemens - Heidenhein.

Standard Equipment:

Fanuc OiMD control with Fanuc Manual Guide i
 8.000 rpm. / min.
 Work Light
 Automatic central lubrication
 External cooling
 BT40 spindle
 Tool changer 16pos. Umbrella-type
 Chip conveyor
 Water gun

Option:

Siemens 828D control
 Heidenhein TNC620 control
 10.000 rpm / min.
 Vertical tool changer 24 pos. Arm-type
 Chip conveyor with belt-type
 Preparing for 4.akse (round table)
 Internal cooling with high pressure 20 bar
 Oil skimmer
 Heidenhein scales
 Renishaw OMP40 - workpiece measurement
 Renishaw TS27R - tool measurement

Data		XB-650
Art. No.		18675
X-axis	mm	650
Y-axis	mm	500
Z-axis	mm	500
Spindle to table	mm	125-625
Table dimensions	mm	650x400
T-slots		3*18*100
Table load	Kg	500
Traverse X-axis	m/min	30
Traverse Y-axis	m/min	30
Traverse Z-axis	m/min	30
Accuracy	mm	+/- 0,005
Accuracy repeatability	mm	+/- 0,002
Tool changer	Pcs.	16
Spindle taper		BT 40
Spindle speed	RpM	8000
Motor	Kw	11
Weight	Kg	3800

Vertical machining center type XB-1000

Best
Quality



XB-1000

XB-1000 Machining Center

Meehanite cast iron
Cross ribbed casting base
Rigidity and durability
C3 grade precise ballscrews
Heavy load HIWIN roller linier guideways
High precision
Tolerances within: 0.002 to 0.005 mm.

These machines have box-beams on all axes. (X = 2pcs. Y = 2pcs. Z = 2 pcs.)

The machine can be equipped with controllers from:
Fanuc - Siemens - Heidenhein.

Standard Equipment:

Fanuc OiMD control with Fanuc Manual Guide i
8.000 rpm. / min.
Work Light
Automatic central lubrication
External cooling
BT40 spindle
Tool changer 20pos. Umbrella-type
Chip conveyor
Water gun

Option:

Siemens 828D control
Heidenhein TNC620 control
10.000 rpm / min.
12.000 rpm / min.
Vertical tool changer 24 pos. Arm-type
Chip conveyor with belt-type
Preparing for 4.akse (round table)
Internal cooling with high pressure 20 bar
Oil skimmer
Heidenhein scales
Renishaw OMP40 - workpiece measurement
Renishaw TS27R - tool measurement

Data		XB-1000
Art. No.		18690
X-axis	mm	1000
Y-axis	mm	600
Z-axis	mm	550
Spindle to table	mm	150-700
Table dimensions	mm	1100x500
T-slots		5x18x100
Table load	Kg	800
Traverse X-axis	m/min	30
Traverse Y-axis	m/min	30
Traverse Z-axis	m/min	30
Accuracy	mm	+/- 0,005
Accuracy repeatability	mm	+/- 0,002
Tool changer	Pcs.	20
Spindle taper		BT 40
Spindle speed	RpM	8000
Motor	Kw	11
Weight	Kg	6500

Vertical machining center type XB-1690

Best
Quality



XB 1690

XB-1690 Machining Center

Meehanite cast iron
Cross ribbed casting base
Rigidity and durability
C3 grade precise ballscrews
Heavy load HIWIN roller linier guideways
High precision
Tolerances within: 0.002 to 0.005 mm.

These machines have box-beams on all axes.

(X = 2pcs. Y = 4pcs. Z = 2 pcs.)

The machine can be equipped with controllers from:
Fanuc - Siemens - Heidenhein.

Standard Equipment:

Fanuc OiMD control with Fanuc Manual Guide i
 6.000 rpm. / min.
 Work Light
 Automatic central lubrication
 External cooling
 BT40 spindle
 Tool changer 20pos. Umbrella-type
 Chip conveyor
 Water gun

Option:

Siemens 828D control
 Heidenhein TNC620 control
 8.000 rpm / min.
 10.000 rpm / min.
 12.000 rpm / min.
 Vertical tool changer 24 pos. Arm-type
 Chip conveyor with belt-type
 Preparing for 4.akse (round table)
 Internal cooling with high pressure 20 bar
 Oil skimmer
 Heidenhein scales
 Renishaw OMP40 - workpiece measurement
 Renishaw TS27R - tool measurement
Fanuc motor 18kW

Data		XB-1690
Art. No.		18710
X-axis	mm	1600
Y-axis	mm	900
Z-axis	mm	800
Spindle to table	mm	150-950
Table dimensions	mm	1750x900
T-slots		5*18*160
Table load	Kg	2000
Traverse X-axis	m/min	15
Traverse Y-axis	m/min	15
Traverse Z-axis	m/min	10
Accuracy	mm	+/- 0,005
Accuracy repeatability	mm	+/- 0,002
Tool changer	Pcs.	20
Spindle taper		BT 40
Spindle speed	RpM	6000
Motor	Kw	11 / 15
Weight	Kg	13000

Vertical machining center type XB-2290

Best
Quality



XB 2290

XB-2290 Machining Center

Meehanite cast iron
Cross ribbed casting base
Rigidity and durability
C3 grade precise ballscrews
Heavy load HIWIN roller linier guideways
High precision
Tolerances within: 0.002 to 0.005 mm.

These machines have box-beams on all axes.
(X = 2pcs. Y = 4pcs. Z = 2 pcs.)

The machine can be equipped with controllers from:
Fanuc - Siemens - Heidenhein.

Standard Equipment:

Fanuc OiMD control with Fanuc Manual Guide i
6.000 rpm. / min. **with gearbox**
Work Light
Automatic central lubrication
External cooling
BT50 spindle
Tool changer **24 pos. Arm-type**
Chip conveyor
Water gun

Option:

Siemens 828D control
Heidenhein TNC620 control
8.000 rpm / min.
10.000 rpm / min.
12.000 rpm / min.
Vertical tool changer **30pos. Arm-type**
Chip conveyor with belt-type
Preparing for 4.akse (round table)
Internal cooling with high pressure 20 bar
Oil skimmer
Heidenhein scales
Renishaw OMP40 - workpiece measurement
Renishaw TS27R - tool measurement
Fanuc motor 18kW

Data		XB-2290
Art. No.		18730
X-axis	mm	2200
Y-axis	mm	900
Z-axis	mm	800
Spindle to table	mm	150-950
Table dimensions	mm	2350x900
T-slots		5*18*160
Table load	Kg	2800
Traverse X-axis	m/min	15
Traverse Y-axis	m/min	15
Traverse Z-axis	m/min	10
Accuracy	mm	+/- 0,005
Accuracy repeatability	mm	+/- 0,002
Tool changer	Pcs.	24
Spindle taper		BT 50
Spindle speed	RpM	6000
Motor	Kw	Nov-15
Weight	Kg	16000

5-axes machining center type XT-5

Best
Quality



XT-5

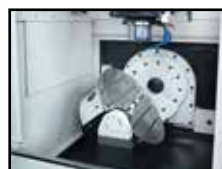


Table 45°

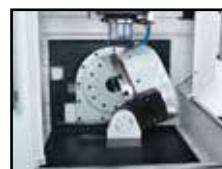


Table 95°



Table



Electronic



Cooling unit

Type XT-5 is a 5-axes machining center made in a construction of solid cast iron. XY and Z axes are reinforced with strong linear guides. The guides are induction hardened and grounded. Model XT-5 is equipped with an automatic central lubrication system. The machine complies with CE standards and will be delivered with manual in the desired language

standard equipment:

- Heidenhein iTNC530 HSCI MC7222 + CC6106
6 control loops, control with 15 "color TFT screen
- Automatic tool changer (32 positions - Vertical - arm type)
- Tool system BT 40
- Machine lighting (halogen)
- Automatic lubrication
- Oil cooling of the spindle
- Encoders at A & C axes
- Telescopic steel enclosure for protection of ball screws and beams
- Chip conveyor belt type
- Various safety devices
- CE approved

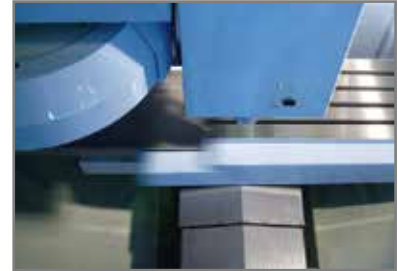
Optional:

- Renishaw TS27R tool measurement equipment
- Renishaw OMP40 workpiece measurement
- Internal cooling with high-pressure 20bar
- Heidenhein TS740 + KKH250 infrared probe
- Hydraulic clamping of round table

Technical data		XT-5
Art. No.		18746
X-axis	mm	620
Y-axis	mm	520
Z-axis	mm	460
Spindle to table	mm	140-600
Table dimensions	mm	Ø650
T-slots		14xH7x5
Table loading cap.	Kg	300
A-axis tilt	°	+30/-120 (int:0,001)
C-axis tilt	°	360 (int:0,001)
Rapid traverse	m/min	36
Toolchanger	pcs	32
Spindle taper		BT40
Spindle speed	RpM	12000
Motor	Kw	10/15
Weight	Kg	8500
Dimensions	mm	2600x2350x2750

First machining center type MCV 300

Best
Quality



First machining center type MCV 300 is designed to meet all requirements for fast and efficient milling. The stand is vibration-free and with hardened and grounded box beams on all three axes, the machine will be able to provide maximum stability in all types of machining. The steel for the structure is certified Mechanite cast iron. Construction of the machine has all the right features both mechanical and thermal stability.

standard equipment:

- Fanuc Oi-MD control with 8.4 "LCD screen
- Tool changer of "umbrella-type" - 10p. tools
- total encapsulation with front door
- Cooling system with extra nozzles inside the machine-to-chip flushing
- Automatic central lubrication
- Chip conveyor spiral type
- 8000 rev. / Min. on the spindle
- Electronic handwheel (Fanuc)
- Air in the spindle for cleaning v / tool change
- Work lighting
- Tools
- Manuals
- Leveling bolts and machine feet.
- CE approved

Optional:

- Tool changer type umbrella, with 16 tools
- Tool changer of ARM type, with 24 tools
- Chip conveyor belt type
- 10,000 rev. / Min. on the spindle
- Network Card with 256MB Data
- Internal coolant through the spindle 20 bar

Technical data		MCV 300
Art. No.		17670
X-axis	mm	610
Y-axis	mm	305
Z-axis	mm	460
Spindle to table	mm	70-530
Table dimensions	mm	700x308
T-slots		4 / 16x63,5
Table load	Kg	350
Rapid speed X-axis	m/min	20
Rapid speed Y-axis	m/min	20
Rapid speed Z-axis	m/min	18
Tool changer	pcs.	10
Tailstock taper		BT 40
Speed	RpM	8000
Motor	Kw	5,5 - 7,5
Weight	Kg	2500

First machining center type MCV 1000

Best
Quality



First type machining center MCV 1000 is designed to meet all requirements for fast and efficient milling. The stand which is "over-dimensioned" is totally vibration free, and with hardened and ground box beams which are extra wide on all 3 axes. Type MCV 1000 machine will be able to provide maximum stability in all types of machining. Box beams are coated with Turcite B and are all "Hand-scraped" to obtain a 100% adjustment. The steel for the structure is certified Mechanite cast iron. Ballscrew spindles are all with precision C3 ball bearings. Construction of the machine has all the right features both mechanical and thermal stability. The table can be loaded with up to 1.000kg.

Standard equipment:

- Fanuc Oi-MD control with 8.4 "LCD screen
- Tool changer of "umbrella-type" - 10p. tools
- total encapsulation with front door
- Cooling system with extra nozzles inside the machine-to-chip flushing
- Automatic central lubrication
- Chip conveyor spiral type
- 8000 rev. / Min. on the spindle
- Electronic handwheel (Fanuc)
- Air in the spindle for cleaning v / tool change
- Work lighting
- Tools
- Manuals
- Leveling bolts and machine feet.
- CE approved

Optional:

- Tool changer type umbrella, with 16 tools
- Tool changer of ARM type, with 24 tools
- Chip conveyor belt type
- 10,000 rev. / Min. on the spindle
- Network Card with 256MB Data
- Internal coolant through the spindle 20 bar
- Prepared for 4th axis (rotary table)

Technical data		MCV 1000
Art. No.		17680
X-axis	mm	1020
Y-axis	mm	510
Z-axis	mm	510
Spindle to table	mm	120-630
Table dimensions	mm	1150x500
T-slots		5 / 18x100
Table load	Kg	1000
Rapid speed X-axis	m/min	20
Rapid speed Y-axis	m/min	20
Rapid speed Z-axis	m/min	18
Tool changer	pcs.	24
Tailstock taper		BT 40
Speed	RpM	8000
Motor	Kw	11 - 15
Weight	Kg	5000

First machining center type V700

Best
Quality



First machining center type V700 offers very high accuracy combined with high speed and high revs. With very strong linear guides on all three axes, this center is able to process high speed and feed rates without causing vibrations. This center offers rapid traverse up to 48m / min. Ballscrew spindles are all with precision C3 bearings and is directly driven by motors. The spindle is driven directly by the engine and is standard with 10,000 rev. / Min., But can be provided with up to 15,000 rev. / Min. This high-precision spindle is free of vibration and is minimally affected by thermal expansions at high rpm. The stand is totally vibration free. The steel for construction is certified Mechanite cast iron. Construction of the machine has all the right features both mechanical and thermal stability. The table can be loaded with up to 250kg.

Standard equipment:

- Fanuc Oi-MD control with 8.4 "LCD screen
- Tool changer of "arm-type" - 24p. tools
- total encapsulation with front door
- Cooling system with extra nozzles inside the machine-to-chip flushing
- Automatic central lubrication
- Chip conveyor spiral type
- 10,000 rev. / Min. the spindle incl. oil lubrication
- Electronic handwheel (Fanuc)
- Air in the spindle for cleaning v / tool change
- Work lighting
- Tools
- Manuals
- Leveling bolts and machine feet.
- CE approved

Options:

- Chip conveyor belt-type
- 15,000 rev. / Min. on the spindle
- Network Card with 256MB Data
- Internal coolant through the spindle 20 bar (10,000 rpm).
- Internal coolant through the spindle 20 bar (15,000 rpm).
- Prepared for 4th axis (rotary table)

Technical data		V 700
Art. No.		17690
X-axis	mm	700
Y-axis	mm	400
Z-axis	mm	550
Spindle to table	mm	500-700
Table dimensions	mm	800x400
T-slots		3 / 18x100
Table load	Kg	250
Rapid speed X-axis	m/min	48
Rapid speed Y-axis	m/min	48
Rapid speed Z-axis	m/min	32
Tool changer	pcs.	24
Tailstock taper		BT 40
Speed	RpM	10000
Motor	Kw	5,5 - 7,5
Weight	Kg	3690

Vertical machining center type YMC

Best
Quality

YMC 1060



YMC machining center features:

Heavily built machines
High accuracy
Meehanite cast iron
Slideways on 3 axes with box design
Hand scraped guide-way surfaces
Coated with Turcite-B
Double nut ball screws on 3 axes
High precision spindle with P4 class bearings (6pc.)

Standard Equipment:

Fanuc OiMD control with Fanuc Manual Guide
 8.000 rpm. / min.
 Work Light
 Automatic central lubrication
 External cooling
 BT40 spindle
 Tool changer 20 pos. Umbrella-type
 Chip conveyor
 Water gun

Options:

10.000 rpm / min.
 Vertical tool changer 24 pos. Arm-type
 Chip conveyor with belt-type
 Preparing for 4.aks-e (round table)
 Internal cooling with high pressure 15bar
 Oil skimmer
 Spindle oil cooler
 Renishaw OMP40 - workpiece measurement
 Renishaw TS27R - tool measurement
 CNC round table Ø200mm
 CNC round table Ø250mm



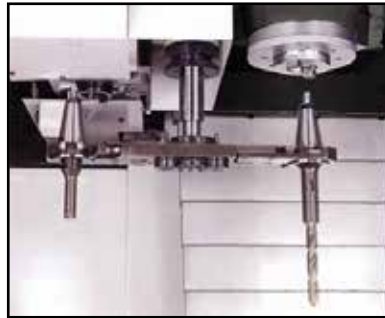
Type	YMC 1060	YMC 1368	YMC 1568
Art. No	17850	17855	17860
Travel X:	1.000mm	1.300mm	1.524mm
Travel Y:	600mm	680mm	762mm
Travel Z:	570mm	670mm	670mm
Distance spindle-table:	100-670mm	100-770mm	100-770mm
Spindle center to column:	600mm	700mm	767mm
Rapid traverse:	24m/min	24m/min	24m/min
Table dimensions.:	1.300x600mm	1.700x600mm	1.700x600mm
Loading capacity:	800kg	1.000kg	1.000kg
T-slots:	5pcs	5psc	5pcs
T-slots size:	18mm	18mm	18mm
Motor	20/25HP	20/25HP	20/25HP
Spindle speed:	8.000 RpM	8.000 RpM	8.000 RpM
Spindle taper	BT40	BT40	BT40
Tool type:	Umbrella	Umbrella	Umbrella
Tool storage capacity:	20pcs	20pcs	20pcs
Weight	5500	6200	6600

Accessories for type YMC

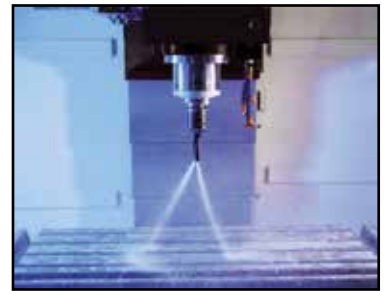
Best
Quality



FANUC Control



High-speed
tool changer



Coolant through spindle



Belt type chip



High-precision spindle



Powerful chip flush



Laser inspection

Vertical machining center type BF

Best
Quality

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EU
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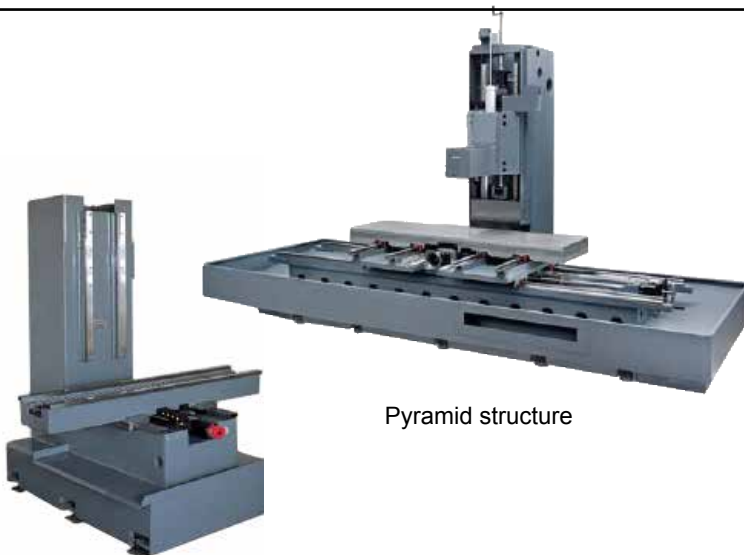


BF 70150

Baykal vertical machining center provides optimum solution for all your needs with economic investment and low business cost. Besides its extraordinary robustness, thanks to its weld rigidity, which is designed monolithic and formed by using innovative concepts, it guarantees you to reach to correct results over your expectations.

Type BF machine structure is called PYRAMID structure which differs from conventional machine centers.

The PYRAMID structure ensures complete support of saddle table and work load over the whole length of the bed whereas conventional construction involves extensive overhang of the saddle and table sideways, outside the bed which causes deflection droop at extreme ends of the X axis travel thus causing inaccuracies, especially with heavy workpieces. The main advantages of the PYRAMID construction are described below.



Pyramid structure

Main advantages with PYRAMID structure

1. No possibility of droop deflection since saddle and table are fully supported over whole length of X axis travel.
2. X axis travel possible over any length enabling machining of heavy and long work pieces.
3. Each guide rail on X and Y axes have 3 runner blocks (carriages) which means that for both table and saddle there are 6 supporting carriages each which prevent any deflection under heavy work pieces weight.

Vertical machining center type BF

Best
Quality

- BF60 and BF70 are available with "High-Speed" spindles, with high torque
- The Chain-type tool changer is available with 20, 32, 40 and 54 tools.
- Also available in the ISO 50 version with 25 positions.
- Normal belt-driven spindles are available from: 6000-15000 rev. / Min.
- Electro-spindles are available from: 15000-40000 rev. / Min.

Control units:



Fanuc



Selca



Siemens



Tool changer type ISO 40

Tilbehør:



4.axes roundtable



4+5 axes roundtable
Extra powerful motor



4+5 axes roundtable



Tool presetting device



Roundtable



Swinging spindle head



Vertical machining center type BF

Best
Quality

Pyramid structure



Technical data		BF 60100	BF 60150	BF 60200	BF 70100	BF 70150	BF 70200
Art. No.		24800	24802	24804	24806	24808	24810
Table dimensions	mm	1400x600	1900x600	2200x600	1400x700	1700x700	2200x700
X-axis travel	mm	1000	1500	2000	1000	1500	2000
Y-axis travel	mm	600			700		
Z-axis travel	mm	600			700		
Rapid feed / Normal feed	mm/min	30000 / 15000					
Spindle motor	kw	12,0 - 17,0 - 18,0					
Spindle speed	RpM	6000 - 9000 - 12000 - 15000					
Electro spindle speed	RpM	15000 - 18000 - 24000 - 40000					
Tool system		ISO 40 - BT40 - HSK50E - HSK63A					
No of tools	pcs	20 - 32 - 40 - 54					
Positioning accuracy	mm	0,008					
Repeatability accuracy	mm	0,005					
Weight	kg	6500	7400	9500	6500	7400	9500
Dimensions	mm	2830x2680x3100	3830x2680x3100	4900x2680x3100	2830x2680x3100	3830x2680x3100	4900x2680x3100

Pipe bending machine type BK

Best
Quality

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EU
★★★



Standard sizes :
(1/2", 3/8", 1/4", 1", 1 1/4", 1 1/2", 2")

Optional accessories BK 150

- R-210- 60 mm Pipe Bending Set
- R-210- 48 mm Pipe Bending Set
- R-150- 76 mm Pipe Bending Set
- R-150- 60 mm Pipe Bending Set
- R-150- 48 mm Pipe Bending Set
- R-100- 48 mm Pipe Bending Set
- R-100- 42 mm Pipe Bending Set
- R-65- 38 mm Pipe Bending Set
- R-65- 32 mm Pipe Bending Set

BK050 Tube & Pipe Bender is ideal for producing consistent quality bends in pipe, tube, squares, solids and other profiles.

- Maximum Capacity Ø 76mm
- Minimum Capacity Ø 21mm
- Max/Min 4/2mm Wall Thickness of pipes
- User-friendly Tube Bender for Fabricators
- Suitable for most applications-Handrails-Rollcages-Chassis-Hydraulics
- Aluminum Frame
- Guide Rolls
- Foot Pedal Control
- Emergency Button
- Double Speed Working System
- Digital Read-out
- Language Options
- 30 Programme Memory
- Emergency Switches
- Frame on Wheels

Jutec pipe bending machine type KBV

Best
Quality

Made in
EU
★★★★



The compact, mobile type of construction enables precise and repeatable bending in the bench vice. The device is driven by means of a screw-in handle. A lockable set collar ensures repeatable bending. The exchange of pluggable tools is as easy as can be. The principle "stationary tube and rotating tool" enables bending requiring smallest possible space. For thin-walled tubes slide shoes are used for wrinkle-free bending in order to produce arcs, for example from tubes made of stainless steel and copper, with smallest possible deformations. The optional type of construction with hexagonal holding fixture enables, besides utilization in the bench vice, also using the driving forces of the bending systems 3000 and 6000. For this purpose the KBV is simply mounted onto the bending shaft of the machine.

Art. No.	Type	Capacity	Max Bending angle
		mm Ø	°
16600	KBV	6-18	180
16602	KBVS	6-18	180

Jutec pipe bending machine type 3000

Best
Quality

Made in
EU
★ ★ ★



The compact, mobile type of construction enables precise and repeatable bending both stationary and directly at site or at the place of mounting, respectively. A strong motor and a precision gear cater for powerful drive. By means of position detection directly on the bending axis, optimum bending accuracy is achieved. The bending angle is easily and quickly set via set/actual value display. For transport purposes, the compact unit can be neatly and safely stored in solid transport cases. At the mounting place, the tripod and the principle “stationary tube and rotating tool” enable bending with lowest possible space requirements. For thin-walled tubes slide shoes are used for wrinkle-free bending in order to produce arcs, for example from tubes made of stainless steel and copper, with smallest possible deformations. With the profile bending adaptor PB 20, flat steel bars, square steel and round bars can be bent without problems.

- Bending capacity Ø 6 to 35 mm, CU Ø 42 mm
- Bending radius min/max: 36mm/150mm
- Precise digital setting of bending angle
- Bending result max 180°

- Hexagonal shaft 40mm for quick tool change
- Safety pedal switch with emergency stop function
- Alternative current 230 V connection

Art. No.	Type	Capacity	Bending radius	Max bending angle	Weight
		mm Ø	Min/Max mm	°	Kg
16605	3000	6-36	36/110	180	21

Jutec pipe bending machine type 6000 S / D

Best
Quality

Made in
EU
★★★



The compact, mobile type of construction enables precise and repeatable bending up to an outer diameter of 60mm both stationary and at the place of mounting. A strong three-phase motor and a precision gear cater for powerful drive. By means of position recording directly on the bending axis we achieve optimum bending accuracy. The bending angle is easily and quickly set via a comfortable and menu-driven user interface with touchscreen control, which guarantees an even more intuitive operation. For more complex bending tasks, bending programs can be stored, which provide a succession of angles of 8 bends max. per geometry. By the multi-function control, the bending speed for the forward and reverse can be set variable and there is configurable overbend function to compensate for material springback. At the end of the bow, the tool returns automatically, whereby the bending process is significantly shorter. Four transport rollers (decelerated) together with a trapezoidal enlargement cater for stable positioning and save machine travel. The principle "stationary tube and rotating tool" enables bending with lowest possible space requirements. For thin-walled tubes slide shoes are used for wrinkle-free bending and in order to produce bends, for example from tubes made of stainless steel and copper, with smallest possible deformations. With the profile bending adaptor PB20, flat steel bars, square steel and round bars can be bent without problems.

- Capacity 6000S: Ø10 to 50x5 mm, alternative current 230V
- Capacity 6000D: Ø10 to 60x5 mm, three-phase 400V
- Bending radius min/max: 36mm/250mm
- Optional: large bending radii up to 500 mm
- Touchscreen

- Multi functional machine control
- Digital setting of bending angle (0,1°)
- Bending result 180° max.
- Hexagonal shaft 40mm for quick tool change
- Safety pedal switch with emergency stop function

Art. No.	Type	Capacity	Bending radius	Max bending angle	Weight
		mm Ø	Min/Max mm	°	Kg
16620	6000S	10-50	36/250	180	110
16622	6000D	10-60	36/250	180	110
16624	6000DS	10-60	36/250	180	110
16626	6000DL	10-60	36/250	180	110

Jutec pipe bending machine type 4800

Best
Quality

Made in
EU
★★★



This mandrel bending system with eccentric rapid chucking for tube fixing enables low-cost bending. The compact drive unit with detachable mandrel support offers advantages when used at the place of installation. By means of a position recording directly on the bending axis we achieve optimum bending accuracy. Setting of the bending angle is made easily and quickly via digital nominal/actual value display. For more complex bending tasks bending programs can be stored, disposing of an angle sequence of 9 bends max. per geometry. 60 individual angles and 40 bending angle sequences (programs) can be stored. Pluggable bending tools enable quick retrofitting for other tube dimensions. For difficult geometries, the bending direction of the machine can be retrofitted to right-hand or left-hand bending as a standard. The open bending unit allows, for example, bending of handrail frames with one welding seam only. The optional calculation software on the PC determines the cut length for the total geometry as well as traverse path, torsion angle and bending angle for every bend. Mandrel retraction can be programmed and the mandrel can be automatically retracted ahead of schedule when a certain bending angle has been accomplished.



- | | |
|---|---|
| <ul style="list-style-type: none"> • Bending performance Ø 6 to 50mm • Bending radius min/max: 10mm/140mm • Bending radii standard 2 x Ø • Multi functional machine control | <ul style="list-style-type: none"> • Digital setting of bending angle (0.1°) • Mandrel support 1500, 3000, 4500 & 6000mm • Pedal with emergency stop • Weight 600-700kg |
|---|---|

Art. No.	Type	Capacity	Bending radius	Max bending angle	Mandrel support	Weight
		mm Ø	Min/Max mm	°	mm	Kg
16635	4815	6-50	10/250	180	1500	600
16636	4830	6-50	10/250	180	3000	630
16637	4845	6-50	10/250	180	4500	650
16638	4860	6-50	10/250	180	6000	700

Jutec pipe bending machine type 5000

Best
Quality

Made in
EU
★ ★ ★



JUTEC mandrel bending machine model 5000 – the cost-effective bending machine for narrow bending radii. The compact drive unit with detachable mandrel holder offers advantages when used at the place of installation. The free-standing bending head can easily be modified to left-hand bending and right-hand bending for difficult geometries. The pluggable bending tools enable quick retrofitting for bending other tube dimensions. A fast hydraulic system for reducing bending times is an important factor for series production. The locking clamp pressure for tube clamping can be optimally adjusted. The SPS control with data storage and CAN bus interface can store approx. 200 programs for bending angle, linear measure and torsion angle for a maximum of 30 bending sequences at one tube length. A database containing any number of materials is available for monitoring the elastic recovery values. The machine disposes of two operational modes: In “simple bending” length and torsion of the arcs towards each other are automatically displayed. In the mode “controlled bending” the data is stored beforehand and a permanent nominal/actual comparison is made during bending. This way, false positioning within a tolerance window is excluded and thus the user-related error rate is minimised. General error messages are shown on the big screen with full text. Mandrel retraction can be programmed and the mandrel can be retracted ahead of schedule when a certain bending angle has been accomplished.

- Bending performance Ø 6 to 50mm
- Bending radius min/max: 10mm/250mm
- Bending radii standard 1.5 x Ø (standard 2 x Ø)
- Multi functional machine control
- Digital setting of bending angle (0.1°)

- Mandrel support 1500, 3000, 4500 & 6000mm
- Pedal with emergency stop
- AC 400V
- Weight 600-700kg

Art. No	Type	Capacity	Bending radius	Max bending angle	Mandrel support	Weight
		mm Ø	Min/Max mm	°	mm	Kg
16639	5015	6-50	10/250	180	1500	600
16640	5030	6-50	10/250	180	3000	630
16641	5045	6-50	10/250	180	4500	650
16642	5060	6-50	10/250	180	6000	700

Jutec pipe bending machine type 7000-9000

Best
Quality

Made in
EU
★ ★ ★



For tube dimensions of 20mm to 88.9mm this bending system offers solutions for complex geometries with standard radii of 2xD. Depending on material quality and wall thickness ratio also radii of 1.5xD can be realised suitable for series production. At a tool height of 120mm there are also sufficient possibilities for special profiles. The extremely precise and strong drive of the bending axis and the stable and rigid construction of the mandrel support and the bending arm contribute also to the desired bending result. The pluggable bending tools enable quick retrofitting for bending other tube dimensions. The locking clamp pressure for tube clamping can be optimally adjusted. The SPS control with data storage and latest X2X interface can store 500 programs (can be expanded via USB stick) for bending angle, linear measure and torsion angle for a maximum of 50 bending sequences at one tube length. A freely programmable database for any number of materials (USB) is available for monitoring the elastic recovery values. The machine disposes of two operational modes: In "simple bending" length and torsion of the bends towards each other are automatically displayed. In the mode "controlled bending" the data is stored beforehand and a permanent nominal/ actual comparison is made during bending. On request all bending systems are also available with pneumatic rotation stop.

Capacity 7000:

Ø20-Ø70mm. Radii standard 2 X Ø
Radii minimum 1,5 X Ø (Optional)

Capacity 9000:

Ø20-Ø90mm. Radii standard 2 X Ø
Radii minimum 1,5 X Ø (Optional)

Art. No.	Type	Capacity	Bending radius	Max bending angle	Mandrel support	Weight
		mm Ø	Min/Max mm	°	mm	Kg
16643	7030	20-70	40/250	180	3000	2000-3000
16644	7045	20-70	40/250	180	4500	2000-3000
16645	7060	20-70	40/250	180	6000	2000-3000
16646	9030	20-90	40/250	180	3000	2000-3000
16647	9045	20-90	40/250	180	4500	2000-3000
16648	9060	20-90	40/250	180	6000	2000-3000

Transfluid pipe bending machine type MB

Best
Quality

Made in
EU
★★★



Transfluid mobile pipe bending machines

What makes transfluid mobile bending machines stand out, is their very good price-to-performance ratio and their simple but effective technology, which offers exceptional engineering capabilities.

Uncompromising compact, versatile and simply excellent machines. Can be used as a simple pipe bending machine or with optional features to install on site. Saw, internal and external deburrs assembly of all related systems (cutting ring pre-assembly, flaring, etc.)

All built-in or attached devices are also available as standalone machines.

- Bending radius 2 - 3,5 / 2 - 3,0x Ø
- Capacity from 6-42mm to 20-125mm
- Bending angle max 150°

Can be fitted with the following equipment:

- external and internal deburring
- equipment for pre-assembly of cutting rings (only MB642)
- equipment for flaring of tube ends to 37 ° (only MB642)

Art. No.	Type	Capacity	Bending radius	Max bending angle
		mm Ø	Min/Max mm	°
	MB 642	6-42	2 - 3,0 Ø	150
	MB 2060	6-60	2 - 3,0 Ø	150
	MB 3080	20-80	2 - 3,5 Ø	150
	MB 30115	20-115	2 - 3,5 Ø	150

Transfluid pipe bending machine type DB / K

Best
Quality

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- Radii between 1.5-2.5 Ø
- Pipe lengths between 1500 - 6000 mm
- Digital preselection of up to 8 bending angles



Available with:

- Internal and external deburring
- Equipment for pre-assembly of cutting rings

Transfluid Series K mandrel bending machines are especially compact, powerful and reasonably priced bending machines that are controlled fully hydraulically.

Up to 8 bending angles can be preselected digitally (target value), displayed permanently as the actual value and switched off. Additional functions (cutting ring pre-assembly, flaring, de-burring, sawing and chamfering) can be integrated on request.

Art. No.	Type	Max capacity steel	Max capacity stainless	Steel SCH 40	Box section	Bending time 90 °
		mm	mm	"	mm	sek.
	DB 642K	42 x 5 mm	42 x 5 mm	1 1/4 "	25 x 3,2 mm	7 sec.
	DB 648K	50 x 4 mm	50 x 3 mm	1 1/2 "	40 x 3 mm	8 sec.
	DB 2060K	76,1 x 3 mm	76,1 x 2 mm	2 1/2 "	50 x 4 mm	8 sec.
	DB 20101K	101,6 x 3,5 mm	101,6 x 2 mm	3 1/2 "	80 x 4 mm	9 sec.

Art No.	Type	 Bending axis A	 Bending axis B	Max. radius	Working length	Enhanced working length
		mm	mm	mm	mm	mm
	DB 642K	35 x 25 x 3,2 mm	25 x 35 x 3,2 mm	85 mm	3048 mm	4572 / 6096 mm
	DB 648K	25 x 50 x 3,0 mm	50 x 25 x 3,0 mm	125 mm	3048 mm	4572 / 6096 mm
	DB 2060K	25 x 60 x 3,5 mm	60 x 25 x 3,5 mm	150 mm	3048 mm	4572 / 6096 mm
	DB 20101K	60 x 80 x 5,0 mm	80 x 60 x 5,0 mm	205 mm	3048 mm	4572 / 6096 mm

Transfluid pipe bending machine type DB / ST

Best
Quality

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


- Radii between 1.5-2.5 Ø
- Pipe lengths between 3000 - 6000 mm
- Angle presets via touch panel
- Program memory

All machines in this series have a very narrow bending head, offering almost endless bending freedom. Sophisticated technology ensures short bending cycles.

The long-neck collet chuck enables short pipe ends to be bent without subsequent cutting. Machines feature a modular design, enabling you to add on as needed to meet future requirements.

Art. No.	Type	Max capacity steel	Max capacity stainless	Steel SCH 40	Box section	Bending time 90 °
		mm	mm	"	mm	sek.
	DB 622ST	22 X 2,0 mm	22 x 1,5 mm	3/8 "	20 x 1,5 mm	2,3 sec.
	DB 630ST	30 x 2,0 mm	30 x 1,5 mm	3/4 "	25 x 2,5 mm	2,5 sec.
	DB 650ST	50 x 3,0 mm	50 x 2,0 mm	1 1/4 "	35 x 2,5 mm	2,7 sec.
	DB 2076ST	76,1 x 3,0 mm	76,1 x 2,0 mm	2 1/2 "	60 x 2,5 mm	3,3 sec.
	DB 2090ST	88,9 x 5,0 mm	88,9 x 5,0 mm	3 "	75 x 3,0 mm	4,3 sec.

Art No.	Type	 Bending axis A	 Bending axis B	Max. radius	Working length	Enhanced working length
		mm	mm	mm	mm	mm
	DB 622ST	15 x 20 x 2,0 mm	20 x 15 x 2,0 mm	55 mm	3048 mm	4572 / 6096 mm
	DB 630ST	25 x 30 x 2,5 mm	30 x 25 x 2,5 mm	75 mm	4572 mm	4572 / 6096 mm
	DB 650ST	25 x 40 x 2,0 mm	40 x 25 x 2,0 mm	125 mm	4572 mm	4572 / 6096 mm
	DB 2076ST	40 x 60 x 3,5 mm	60 x 40 x 3,5 mm	190 mm	4572 mm	4572 / 6096 mm
	DB 2090ST	50 x 75 x 4,0 mm	75 x 50 x 4,0 mm	225 mm	4572 mm	4572 / 6096 mm

Transfluid pipe bending machine type DB / CNC

Best
Quality

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EU
★★★

- Push bending
- Right / left bending
- booster on the center line
- Several different radius tools at once
- Weld seam detection
- Auto. Insertion tube



Automatic mandrel bending machines are impressive thanks to their stability and extreme bending freedom. They have maintenance-free energy-saving drive systems with powerful hydraulic or electric bending.

State-of-the-art software and electronics enable countless connection options. All custom equipment requirements, such as multiple levels for free-form functions or the like, can be implemented

Art. No.	Type	Max capacity steel	Max capacity stainless	Steel SCH 40	Box section
		mm	mm	"	mm
	DB 622-CNC	22 X 1,5 mm	22 x 1,5 mm	3/8 "	16 x 1,5 mm
	DB 630-CNC	30 x 2,0 mm	30 x 1,5 mm	3/4 "	20 x 2,5 mm
	DB 642-CNC	42 x 4,0 mm	42 x 3,0 mm	1 1/4 "	25 x 2,5 mm
	DB 2060-CNC	60,3 x 5,0 mm	60,3 x 3,0 mm	2 "	40 x 3,0 mm
	DB 2090-CNC	88,9 x 3,0 mm	88,9 x 2,0 mm	3 " sch 10	50 x 2,5 mm

Art. No.	Type	Bending time	Max. radius	Working length	Enhanced working length
		° / sek.	mm	mm	mm
	DB 622-CNC	135 ° / sec.	55 mm	3048 mm	4572 / 6096 mm
	DB 630-CNC	125 ° / sec.	85 mm	3048 mm	4572 / 6096 mm
	DB 642-CNC	75 ° / sec.	105 mm	3048 mm	4572 / 6096 mm
	DB 2060-CNC	65 ° / sec.	150 mm	3048 mm	4572 / 6096 mm
	DB 2090-CNC	50 ° / sec.	225 mm	3048 mm	4572 / 6096 mm

Transfluid rørbukkemaskiner type 3A-CNC

Best
Quality

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EU
★★★



- Large diameters
- Push bending
- Right / left bending
- booster on the center line
- Several different radius tools at once
- Weld seam detection
- Auto. Insertion tube

This serie of bending machines enables bending dimensions up to a maximum diameter of 273 mm or 10,75" OD. The machine can handle small bending radii and the slightest of weaknesses in wall thickness with ease.

The solid construction ensures an especially long service life, while fast tool changes increase productivity and flexibility. All machines come with a powerful automatic CNC controller.

Art. No.	Type	Max capacity steel	Max capacity stainless	Steel SCH 40 / 80
		mm	mm	"
	DB 40139-3A-CNC	140 X 6,0 mm	140 x 4,0 mm	5 " / 4 1/2"
	DB 40168-3A-CNC	170 x 8,0 mm	170 x 6,0 mm	6 " / 5 "
	DB 40220-3A-CNC	220 x 10,0 mm	220 x 10,0 mm	8 " / 7 "

Art. No.	Type	Bending time	Max radius	Working length
		° / sek.	mm	mm
	DB 40139-3A-CNC	10 ° / sec.	350 mm	6096 mm
	DB 40168-3A-CNC	7 ° / sec.	425 mm	6096 mm
	DB 40220-3A-CNC	6 ° / sec.	700 mm	6096 mm

Transfluid expanders

Best
Quality

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EU
★★★★



EX 3076-HA

Transfluid expanders

Transfluid EX are machines for end forming (expanding, reduction and shearing). Especially useful for exhaust systems.

Available with one head or more, depending on the task.

Art. No.	Type	Capacity steel	Max. wall thickness	Nominal pressure	Work pressure	Process time
		mm Ø	mm	bar	bar	sek.
	EX 3076-HA	30 - 76 mm	3 mm	250 bar	200 bar	11 sek.

Transfluid pipe forming machines

Best
Quality

Made in
EU
★ ★ ★



UMR 628 HA



UMR 30115 HA

This machine series is perfect for manufacturing highly complex forming shapes. Forms with extremely tight tolerances and polished surfaces can be created.

All set motions are especially powerful and are monitored electronically. The highest level of sophisticated patented technology.

Tool changes are fast and easy, allowing these machines to form from outside to inside and cut pipes as well as carry out the same steps from inside to outside.

Series UMR machines are also ideal for producing all types of flares at pipe ends. With a minimum clamp length of $0.5 \times D$, almost any type of flare can be created in exceptional quality.

Art. No.	Type	Capacity steel	Max wall thickness	RPM	Process time
		mm Ø	mm		sek.
	UMR 628 HA	06 - 28 mm	2,5 mm	603	4 - 8 sec
	UMR 642 HO	06 - 42 mm	4,0 mm	200	4 - 10 sec
	UMR 665 HA	06 - 65 mm	5,0 mm	95	6 - 12 sec
	UMR 30115 HA	30 - 115 mm	4,0 mm	70	8 - 20 sec

Transfluid pipe forming machines

Best
Quality

Made in
EU
★★★



- Complex geometries
- Up to 8 tools

Transfluid end processing machines type REB is precise, fast and universal. They can create unimaginable variety of forms with complex geometries and very fast tool changes. Can have up to 8 tools controlled by a touch screen.

These machines are most often used when Special geometries are required in mass production.

The tubes are shaped by these machines in sequences of up to 6 times.

Tool change during this process is carried horizontally or vertically with servo systems.

A special clamping device also complex and extreme degrees of axial tube forming.

Art. No.	Type	Capacity steel	Forming power	Clamping power	Additional clamping
		mm	kN	kN	kN
	REB 420	3 - 20 mm	64 kN	64 kN	39 kN
	REB 632	6 - 32 mm	98 kN	98 kN	64 kN
	REB 645	6 - 45 mm	147 kN	147 kN	98 kN
	REB 660	6 - 60 mm	240 kN	240 kN	147 kN

Art. No.	Type	Forming length	Cycle time	Cycle time additional forming	Cycle time clamping
		mm	sek.	sek.	sek.
	REB 420	60 mm	3,0 sek.	2,0 sek.	3,0 sek.
	REB 632	80 mm	4,0 sek.	3,0 sek.	3,0 sek.
	REB 645	90 mm	6,0 sek.	4,0 sek.	4,0 sek.
	REB 660	100 mm	9,0 sek.	5,0 sek.	5,0 sek.

Transfluid chipless cutting machines

Best
Quality

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EU
★ ★ ★



RTO 628



Both chipless orbital cutting machines and the scarfing knife cutting process, ideal for accurate trimming, provide for low-bur cuts. With both of these stages it is thus possible to further process the pipes directly after cutting.

In chipless orbital pipe cutting, the pipes are placed under a pulling process during the cutting operation with varying torques that depend on the tube sizes. This prevents the cutting position from collapsing and allows forming to begin directly. Pipe cutting machines from transfluid® offer cutting rates of 1,800 pieces per hour and optimize the cut length in order to minimize residual lengths. The pipes can be fed automatically through suitable straightening systems into the pipe cutting machine and then ejected after the pipe cutting.

The scarfing knife cutting process dependably shears pipes of all materials with right angles and sharp edges even when working with very awkward pipe geometries. Cuts in different degrees are also possible if required. In addition to this, up to three knives and an internal mandrel can be used for high-precision pipe cutting when required.

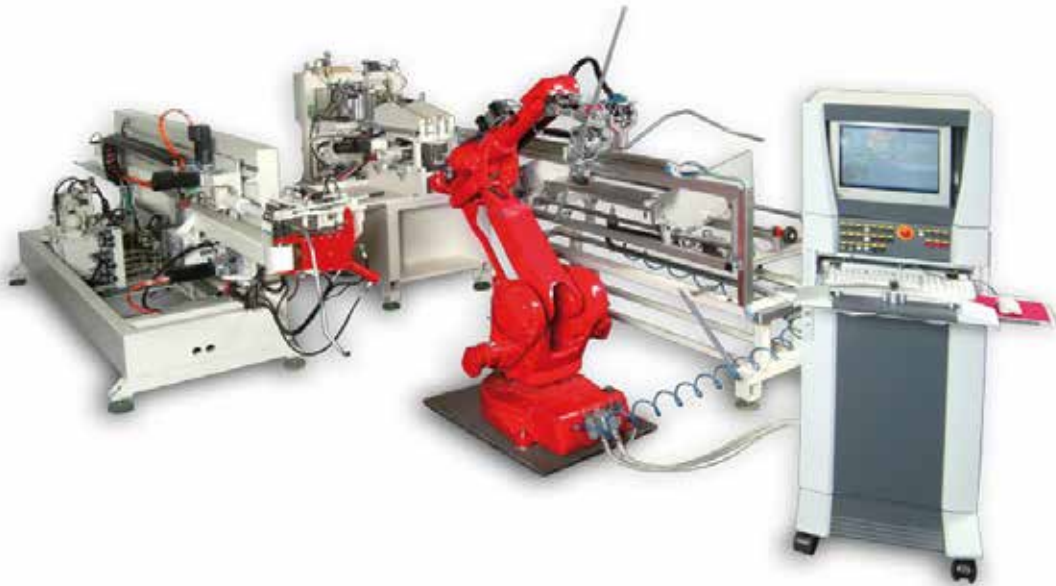
Art. No.	Type	Capacity steel	Cutting length	Max wall thickness	Nominal pressure	Work pressure	Cycle time
		mm Ø	mm	mm	bar	bar	sec.
	RTO 628	06 - 28 mm	55 / 25 mm	2 mm	200 bar	200 bar	2 - 8 sec.

Transfluid special machines

Best
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various options with robot

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Complete centers with automatic loader, end processing, bends and unloader.





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